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August 22, 2006

Mr. Craig Hunt
North Coast Water Board
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 94503-2097

RE: Quarterly Groundwater Monitoring Results/ Remedial System Status Report
Second Quarter 2006
Former Unocal Bulk Plant No. 0813
122 Leslie Street, Ukiah, California
RWQCB No. 1NMC405
ENSR Project No. 06940-264-100

Dear Mr. Hunt:

ENSR Corporation (ENSR) has been authorized by Union Oil Company of California (Unocal) to perform quarterly groundwater monitoring and to operate and maintain the groundwater remediation system at the site located at 122 Leslie Street, Ukiah, California (**Figure 1**). The site is a former bulk plant with a chain link fence around its perimeter. The locations of former and current site features are illustrated on **Figure 2**. Quarterly groundwater monitoring is intended to evaluate the distribution of petroleum hydrocarbon constituents in groundwater beneath the site. This report summarizes results of the samples collected from the site and the operational status of the groundwater remediation system during the second quarter 2006. A section has been added to this report summarizing the status of the ozone sparging system that began operation in April 2005. The field work was performed in accordance with the field methods and procedures included in **Attachment A**.

Background

Two groundwater monitoring wells (MW-7 and MW-12) were installed as part of a soil and groundwater investigation associated with the former D.Z., Inc. Bulk Plant located adjacent to the former Unocal site's southern property boundary at 134 Leslie Street. In 1999, a soil and groundwater investigation was conducted at 122 Leslie included advancement of on-site soil borings B-1 through B-7. A supplemental evaluation of soil and groundwater following that investigation included the advancement of on-site soil boring B-8 and the installation of on-site groundwater monitoring wells MW-1 and MW-2. A further supplemental evaluation of soil and groundwater beneath and in the vicinity of the Unocal site was conducted in 2002 that included drilling eight soil borings and installing groundwater monitoring wells MW-3 through MW-6 and MW-8. A door-to-door sensitive receptor survey within a 500-foot radius of the site and an underground utility search within the vicinity of the site were also conducted in 2002.

In a letter dated November 20, 2003, the Regional Water Quality Control Board, North Coast Region (RWQCB) approved a Corrective Action Plan prepared by Environmental Resolutions, Inc. (ERI) of Petaluma, California dated June 18, 2003. In late July 2003, ERI installed the nine C-Sparge/SVE wells associated with the remediation system at the site. On May 20, 2004, the RWQCB verbally approved a remedial design plan (RDP) dated February 3, 2004 prepared by ERI and reviewed by ENSR. The approved remedial options were ozone microsparging (C-Sparge™) and soil vapor extraction (SVE). Upon review of the completion depths of the C-Sparge/SVE wells, it was ENSR's opinion that the C-Sparge wells were set too deep to effectively remediate the groundwater beneath the site.

In a telephone conversation with the RWQCB on October 14, 2004, ENSR proposed collecting groundwater samples from selected on-site C-Sparge wells for chemical analysis to determine if the groundwater has been impacted at the screened interval depths [approximately 32 to 35 feet below ground surface (bgs)] of the C-Sparge wells. Based on the analytical results, ENSR submitted a *Revised*

Remedial Design Plan dated December 7, 2004. ENSR received a verbal approval from the RWQCB in mid-December 2004 and began implementation of the revised RDP in early January 2005.

On January 12 and 13, 2005, Woodward Drilling Company of Rio Vista, California (C-57 License #710079) advanced soil borings AS-10 through AS-18 under the oversight of an ENSR geologist. Each boring was advanced using a truck-mounted drill rig each to an approximate depth of 20 feet bgs using 8.25-inch diameter hollow stem augers. The soil borings were completed as air sparge wells AS-10 through AS-18.

A construction subcontractor (W.A. Craig, Inc. of Dixon, California) installed the ozone sparging system at the site in March and April 2005 under ENSR supervision. System operation began on April 18, 2005.

Groundwater Level Measurements

Depth to groundwater levels were measured in monitoring wells MW-1 through MW-9 on May 17, 2006 and are presented in **Table 1.** The ozone sparging system was not operating during collection of depth to groundwater measurements in order to allow groundwater levels to stabilize. Groundwater elevations were calculated and used to construct a groundwater elevation contour map included as **Figure 3**.

On May 17, 2006, the groundwater flow direction just east of the site was generally south-southeast with an average hydraulic gradient of approximately 0.007 feet per foot (ft/ft). On-site, the groundwater flow direction was generally to the east with an average hydraulic gradient of approximately 0.014 ft/ft. These directions and gradients are consistent with those historically observed at the site. Copies of the groundwater sampling information sheets are included in **Attachment B**. A summary of groundwater elevation data determined to date is presented in **Table 1**.

Groundwater Sampling and Analytical Results

Groundwater samples were collected from monitoring wells MW-1 through MW-9 on May 17, 2006. Groundwater samples were submitted to California Laboratory Services in Rancho Cordova, California (a state-certified laboratory) under chain-of-custody (COC) protocols. Samples were analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8021B, total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 8015M, total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015M, and total lead by EPA Method 6010B. Total recoverable petroleum hydrocarbons (TRPH) also referred to as Hexane Extractable Material with Silica Gel Treatment (SGT-HEM) by EPA Method 1664 was inadvertently analyzed on all samples during the second quarter 2006 event. Additionally, the samples taken from MW-1 and MW-2 were analyzed for bromate by EPA Method 300.1, bromide by EPA Method 300, hexavalent chromium by EPA Method 7199, molybdenum and vanadium by EPA Method 200.7, selenium by EPA Method 200.8, and pH by EPA Method 150.1. In order to achieve the detection limit desired for bromate (<5 μg/L), CLS subcontracted the bromate analysis to BSK Analytical Laboratories in Fresno, California. These analytes were added to the sampling regimen to monitor for the formation of dissolved phase metals resulting from the oxidation reaction created by the ozone application.

TPHd was detected in monitoring wells MW-1, MW-2, and MW-3 with a maximum concentration of 490 micrograms per liter (μg/L) in MW-1. TPHg was detected in monitoring well MW-1 at a concentration of 580 μg/L. Benzene concentrations were not detected above the laboratory reporting limit of 0.50 μg/L in any of the monitoring wells sampled during the second quarter 2006 event.

Cumulative groundwater sampling results are summarized in **Table 1**. A map depicting dissolved concentrations of TPHg, TPHd, and benzene in groundwater for the second quarter 2006 is included as **Figure 4**. Isoconcentration contour maps for TPHd and TPHg in groundwater for the second quarter 2006 sampling event are included as **Figure 5** and **Figure 6**, respectively. A copy of the certified laboratory analytical report with chain-of-custody documentation is included in **Attachment C**.

Ozone Sparging System Description

The Advanced Oxidation Process/Biostimulation (AOP/B) system is primarily an ozone sparging system with capabilities for enhanced chemical oxidation and biostimulation through the addition of supplemental oxidizing agents and/or nutrients.

The AOP/B system delivers ozonated air from inside a modified freight container (remediation enclosure), to the subsurface via sparge tubing and PVC piping. The ozonated air is delivered through micro-porous sparge points installed in the bottom of sparge wells. The depth of the sparge wells is several feet below the water table. Ozonated air is typically delivered at flows of approximately one to five standard cubic feet per minute (SCFM) and at pressures from 7 to 25 pounds per square inch (PSI), depending on subsurface conditions. Ozone concentrations in the process flow stream typically range from 1,500 parts per million by volume (ppmv) to 10,000 ppmv.

The AOP/B system is operated using a programmable-logic-controller (PLC) automated system capable of operating individual sparge points or several sparge points in any desired sequence. The system is equipped with an ozone sensor that transmits a signal to the PLC which is programmed to shut the system down in the event of an ozone leak within the remediation enclosure. The remediation enclosure is air conditioned and thermally insulated to maintain a constant temperature and thereby protect the electronic components. The thermal insulation also serves as a sound barrier to reduce noise levels outside of the remediation enclosure created by operation of the air compressor, air conditioner, and cooling fans.

Ozone Sparging System Operation

The system currently cycles between sparge points on a 37-minute sequence per cycle. Sparging sequences begin with five minutes of air flow, followed by 30 minutes of air/ozone flow, then followed by two minutes of air flow (to purge the conveyance piping and tubing). The PLC program executes 12 air-ozone-air cycles with three 15-minute rest cycles in between every third sparge cycle. The program repeats after application to each sparge point.

Modifications have been made to the PLC program to reduce the ozone loading near MW-2 in order to minimize the occurrence of undesirable byproducts such as bromate and hexavalant chromium.

Sparging is performed sequentially between sparge points to minimize the local impact on the hydraulic gradient and to prevent further mobilization of the contaminant plume. The ozone application time interval relates to the approximate time it takes for a consistent flow pattern to develop and to achieve an optimum radius of influence. The system shuts down after the entire sequence to allow the equipment to cool.

Ozone Sparging System Performance

During an operation and maintenance visit to the site on April 5, 2006, the air compressor for the ozone sparge system was found inoperable. The compressor was removed and an identical replacement compressor was ordered on April 12, 2006 with a tentative delivery date of May 5, 2006. Due to a manufacturing recall, the manufacturer was unable to deliver the unit or give a new tentative delivery date. The order was cancelled on May 19, 2006 and a similar compressor produced by another manufacturer was ordered on May 19, 2006. The replacement compressor was delivered on June 9, 2006 and installed on June 14, 2006. The sparge system has been in operation since the installation of the compressor through the end of the quarter.

ENSR is documenting the AOP/B system performance with monthly monitoring and analytical analysis of three-casing-volume purged samples from MW-1 and MW-2 when the system is in operation. Monthly

samples have been collected at MW-1 and MW-2 since the system startup in April 2005. These groundwater samples are being analyzed for TPHg, TPHd, and BTEX compounds. Additional analyses are also performed to ascertain the possible presence of dissolved metals. Results for samples collected at MW-1 and MW-2 as part of the remedial status evaluation are provided in **Table 2**.

Graphs depicting TPHg and TPHd concentrations over time for MW-1 and MW-2 are included as **Figures 7** and **8**, respectively.

Conclusions/Recommendations

- TPHd was detected in monitoring wells MW-1, MW-2, and MW-3 with a maximum concentration of 490 µg/L in MW-1, significantly lower than in the first quarter of 2006. TPHd was detected in the same three monitoring wells in the previous quarter with a maximum concentration of 13,000 µg/L in MW-1.
- TPHg was detected in monitoring wells MW-1 and MW-2 with a maximum concentration of 580 µg/L in MW-1. TPHg was detected in three monitoring wells (MW-1, MW-2, and MW-3) in the previous quarter with a maximum concentration of 1,400 µg/L in MW-1.
- Benzene concentrations were not detected above the laboratory reporting limits in any monitoring wells sampled during the second quarter 2006 event. The most recent benzene detection occurred in the fourth quarter of 2005 in MW-1 at a concentration of 0.41µg/L.

Since quarterly groundwater monitoring and sampling has been conducted at the site since August 2002, it is ENSR's opinion that sufficient quarterly data exist to establish seasonal fluctuations and trends for BTEX, TPHd, TPHg and total lead concentrations in groundwater. ENSR recommends that reducing the sampling frequency in monitoring wells MW-3 through MW-9 from quarterly to semiannually during the first and third quarters. Groundwater elevations will continue to be monitored quarterly in the wells. If the proposed reduction in sampling frequency is accepted, ENSR also proposes reducing the reporting frequency from quarterly to semiannually.

ENSR will continue monthly groundwater monitoring in MW-1 and MW-2 to assess performance of the AOP/B system. ENSR personnel met with the North Coast Water Board in January 2006 to assess the AOP/B system performance and discuss the path toward regulatory site closure. It was determined that ENSR will continue to operate the AOP/B system until groundwater contamination levels approach Regional Water Quality Control Board water quality objectives.

Future Work

The next quarterly groundwater monitoring and sampling event is scheduled for August 2006. ENSR will also be monitoring performance of the AOP/B system with monthly sampling of MW-1 and MW-2. The next quarterly groundwater monitoring/remediation system status report would be due by October 31, 2006; however, if ENSR's proposal for semiannual sampling and reporting is accepted, the semiannual groundwater monitoring/ remediation system status report for the third and fourth quarters 2006 would be due by January 31, 2007.

Remarks/Signatures

The interpretations in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended. If you have any questions regarding this project, please contact Mr. Mike Berrington at (916) 362-7100.

Sincerely,
ENSR Corporation

John M. Warren, R.C.E. No. 34168
Senior Project Engineer

Mike Fischer, E.I.T.
Project Engineer

Michael A. Berrington, P.G. No. 7124
Senior Project Manager

MF/dk

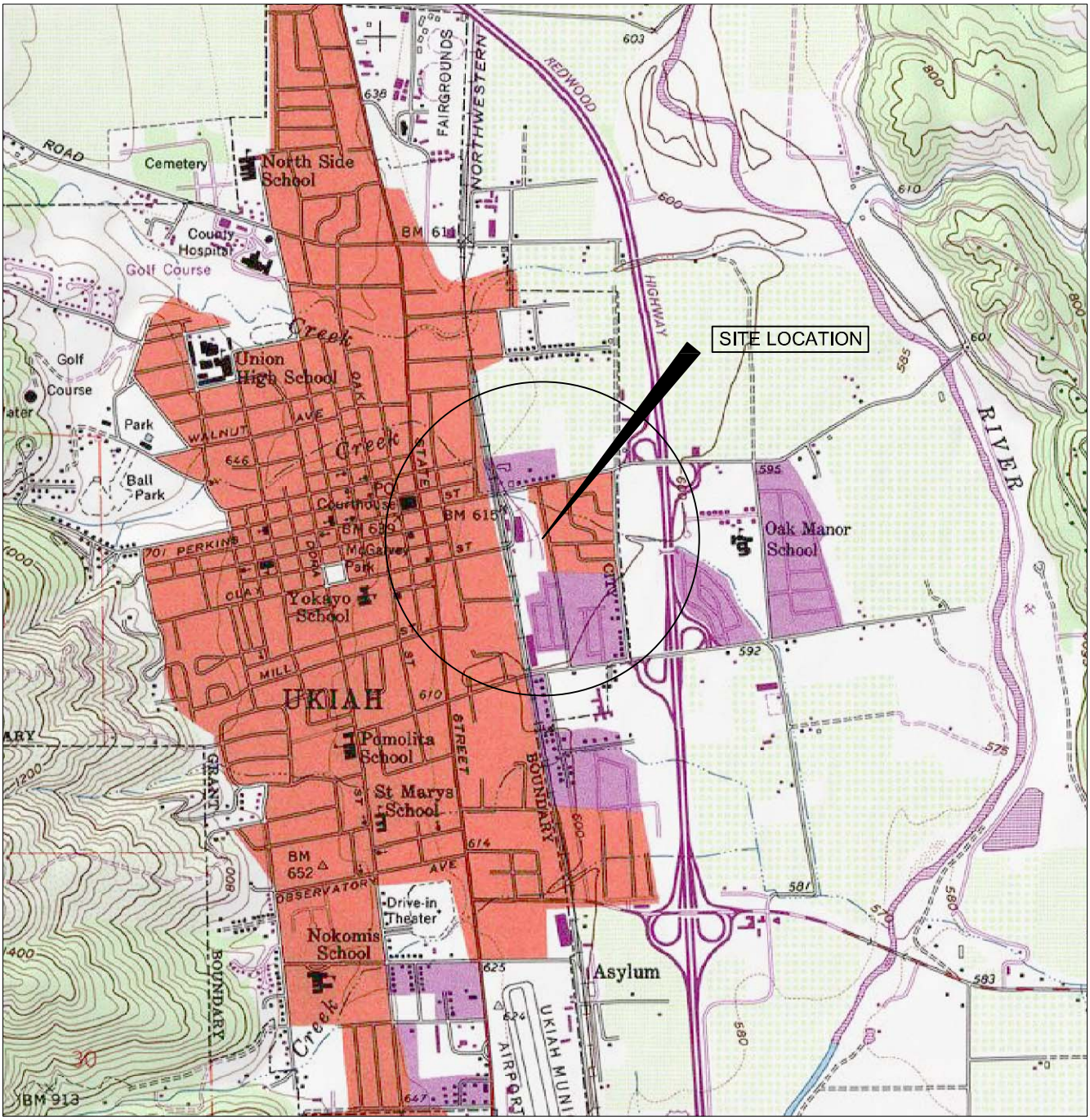
cc: Mr. John Frary, Union Oil Company of California

Attachments

Figures
1 Site Location Map
2 Site Plan
3 Groundwater Elevation Contour Map, May 17, 2006
4 Petroleum Hydrocarbon Concentration Map, May 17, 2006
5 TPHd Isoconcentration Map, May 17, 2006
6 TPHg Isoconcentration Map, May 17, 2006
7 TPHg and TPHd Concentration in MW-1
8 TPHg and TPHd Concentration in MW-2

Tables
1 Groundwater Monitoring Data and Analytical Results
2 Ozone Sparging System Monitoring

Attachments
A Field Methods and Procedures
B Groundwater Sampling Information Sheets
C Laboratory Analytical Results With Chain-Of-Custody Documentation



Map created with TOPO - 2003 National Geographic

MAP LOCATION

SOURCE: BASE MAP FROM USGS UKIAH, CA
7.5 MINUTE TOPOGRAPHIC 1975

N

0 2000

Approximate Scale in Feet

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SITE LOCATION MAP

FORMER UNOCAL BULK PLANT 0813
122 LESLIE STREET
UKIAH, CALIFORNIA

FIGURE NUMBER: 1

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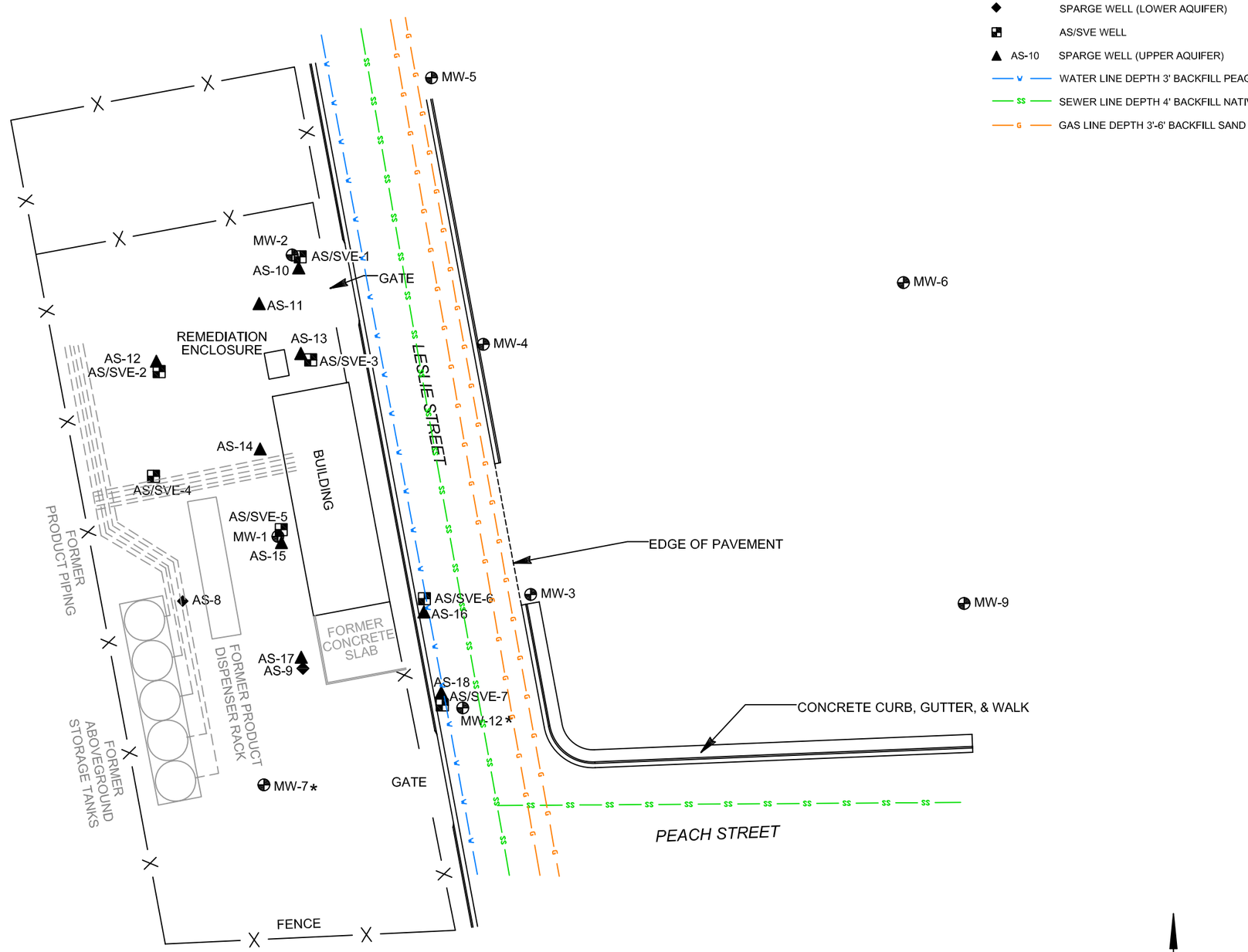

REFERENCE: WELL LOCATIONS AND EXISTING SITE FEATURES ON THIS FIGURE ARE BASED ON A MAP PROVIDED BY MORROW SURVEYING ON 4/13/2005.

REVISIONS			
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X	X	X	X

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SITE PLAN

QUARTERLY MONITORING REPORT 2nd QUARTER 2006
FORMER UNOCAL BULK PLANT 0813
122 LESLIE STREET
UKIAH, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 40'	6/7/06 PR	06940-264

FIGURE NUMBER:
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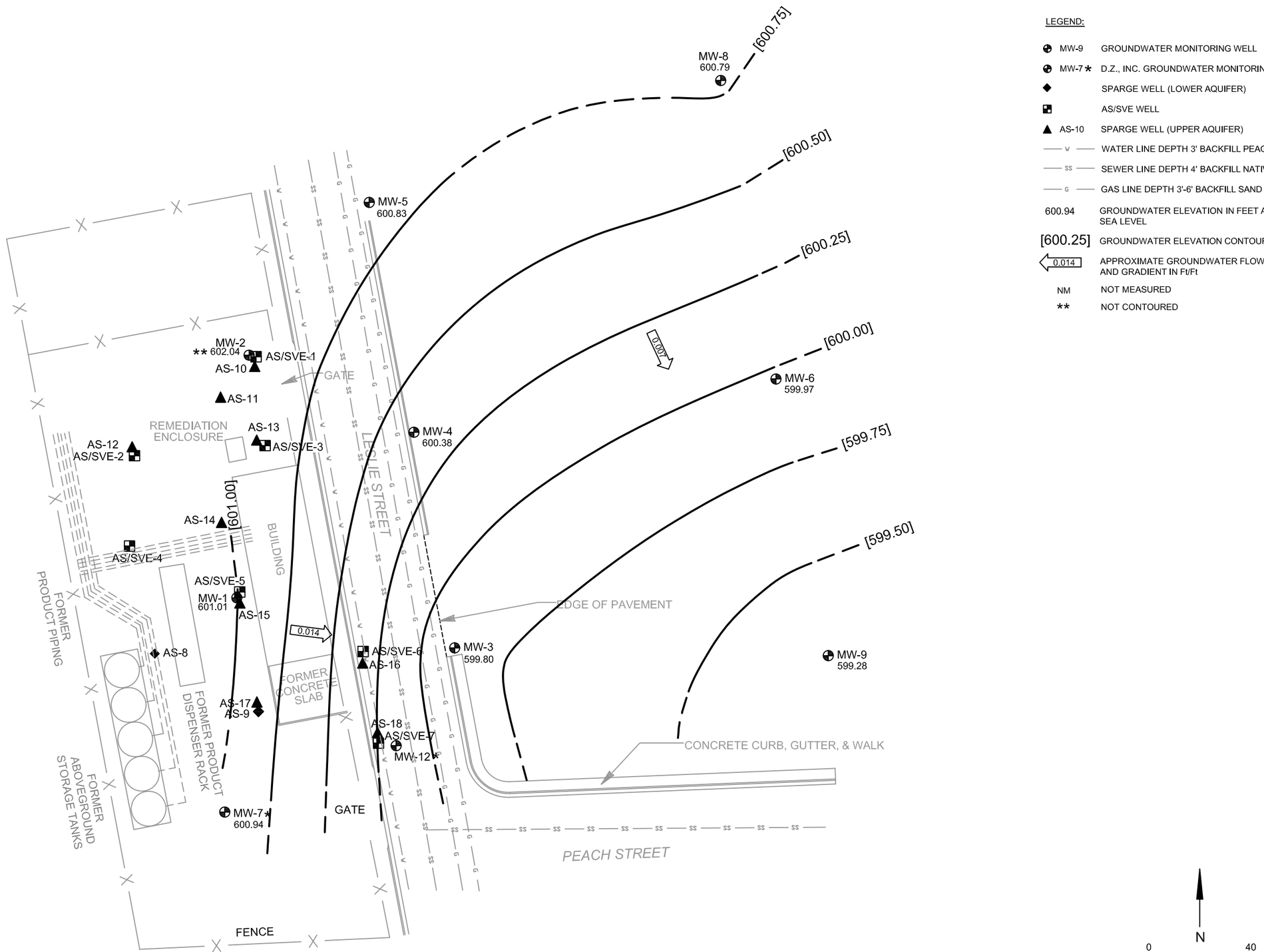

LEGEND:

MW-9	GROUNDWATER MONITORING WELL
MW-7 ★	D.Z., INC. GROUNDWATER MONITORING WELL
◆	SPARGE WELL (LOWER AQUIFER)
■	AS/SVE WELL
AS-10 ▲	SPARGE WELL (UPPER AQUIFER)
W	WATER LINE DEPTH 3' BACKFILL PEAGRAVEL
SS	SEWER LINE DEPTH 4' BACKFILL NATIVE
G	GAS LINE DEPTH 3'-6' BACKFILL SAND
600.94	GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL
[600.25]	GROUNDWATER ELEVATION CONTOUR
0.014	APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT IN Ft/Ft
NM	NOT MEASURED
**	NOT CONTOURED

REFERENCE: WELL LOCATIONS AND EXISTING SITE FEATURES ON THIS FIGURE ARE BASED ON A MAP PROVIDED BY MORROW SURVEYING ON 4/13/2005.

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Approximate Scale in Feet

REVISIONS				
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DESIGNED BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:
X	X	X	X

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GROUNDWATER ELEVATION CONTOUR MAP MAY 17, 2006

QUARTERLY MONITORING REPORT 2nd QUARTER 2006
FORMER UNOCAL BULK PLANT 0813
122 LESLIE STREET
UKIAH, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 40'	6/7/06 PR	06940-264

FIGURE NUMBER:
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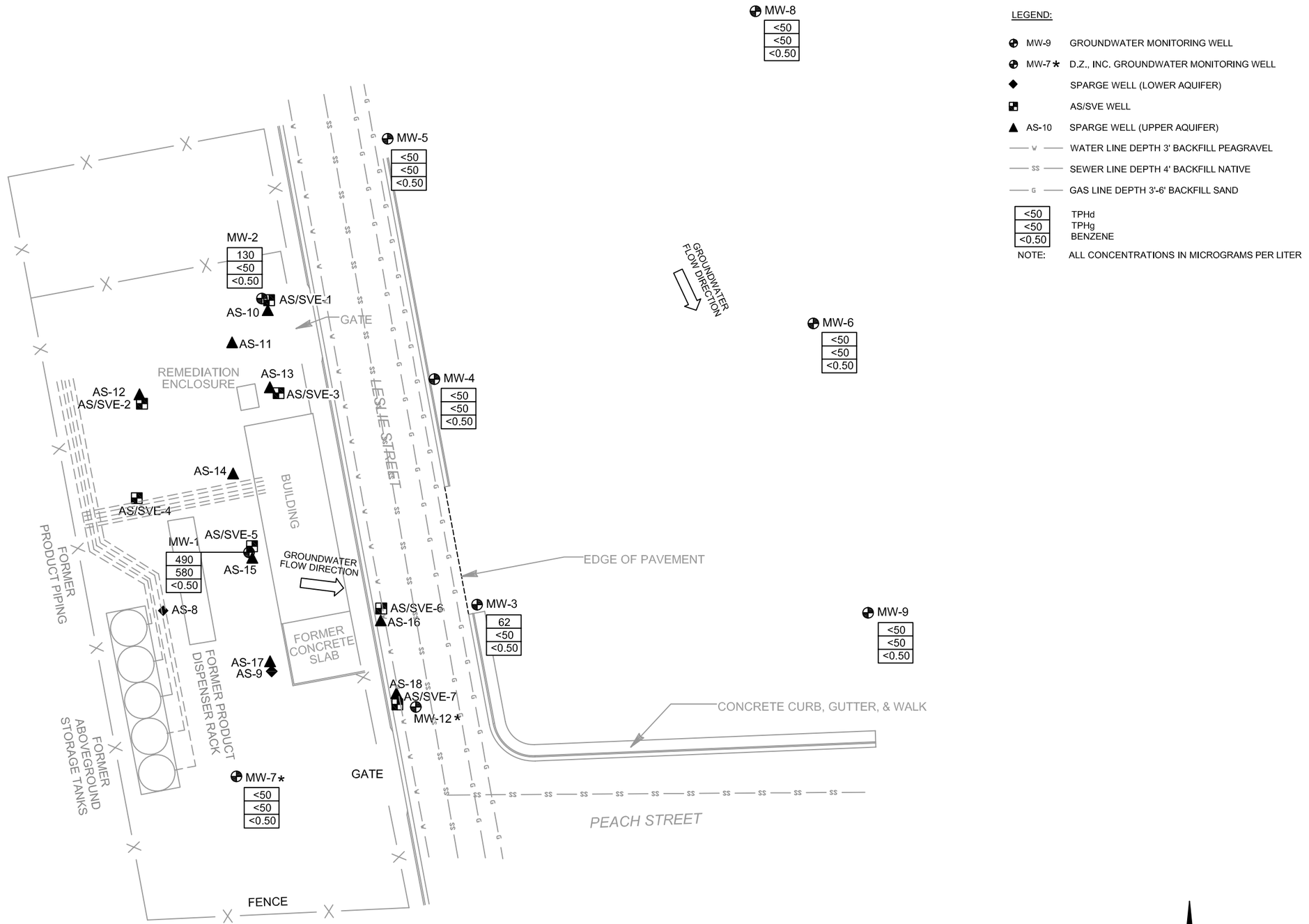

LEGEND:

- MW-9 GROUNDWATER MONITORING WELL
- MW-7* D.Z., INC. GROUNDWATER MONITORING WELL
- SPARGE WELL (LOWER AQUIFER)
- AS/SVE WELL
- AS-10 SPARGE WELL (UPPER AQUIFER)
- W WATER LINE DEPTH 3' BACKFILL PEAGRAVEL
- SS SEWER LINE DEPTH 4' BACKFILL NATIVE
- G GAS LINE DEPTH 3'-6' BACKFILL SAND

<50	TPHd
<50	TPHg
<0.50	BENZENE

NOTE: ALL CONCENTRATIONS IN MICROGRAMS PER LITER

REFERENCE: WELL LOCATIONS AND EXISTING SITE FEATURES ON THIS FIGURE ARE BASED ON A MAP PROVIDED BY MORROW SURVEYING ON 4/13/2005.

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Approximate Scale in Feet

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CONCENTRATION MAP MAY 17, 2006

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SCALE:	DATE:	PROJECT NUMBER:
1" = 40'	6/7/06 PR	06940-264

FIGURE NUMBER:
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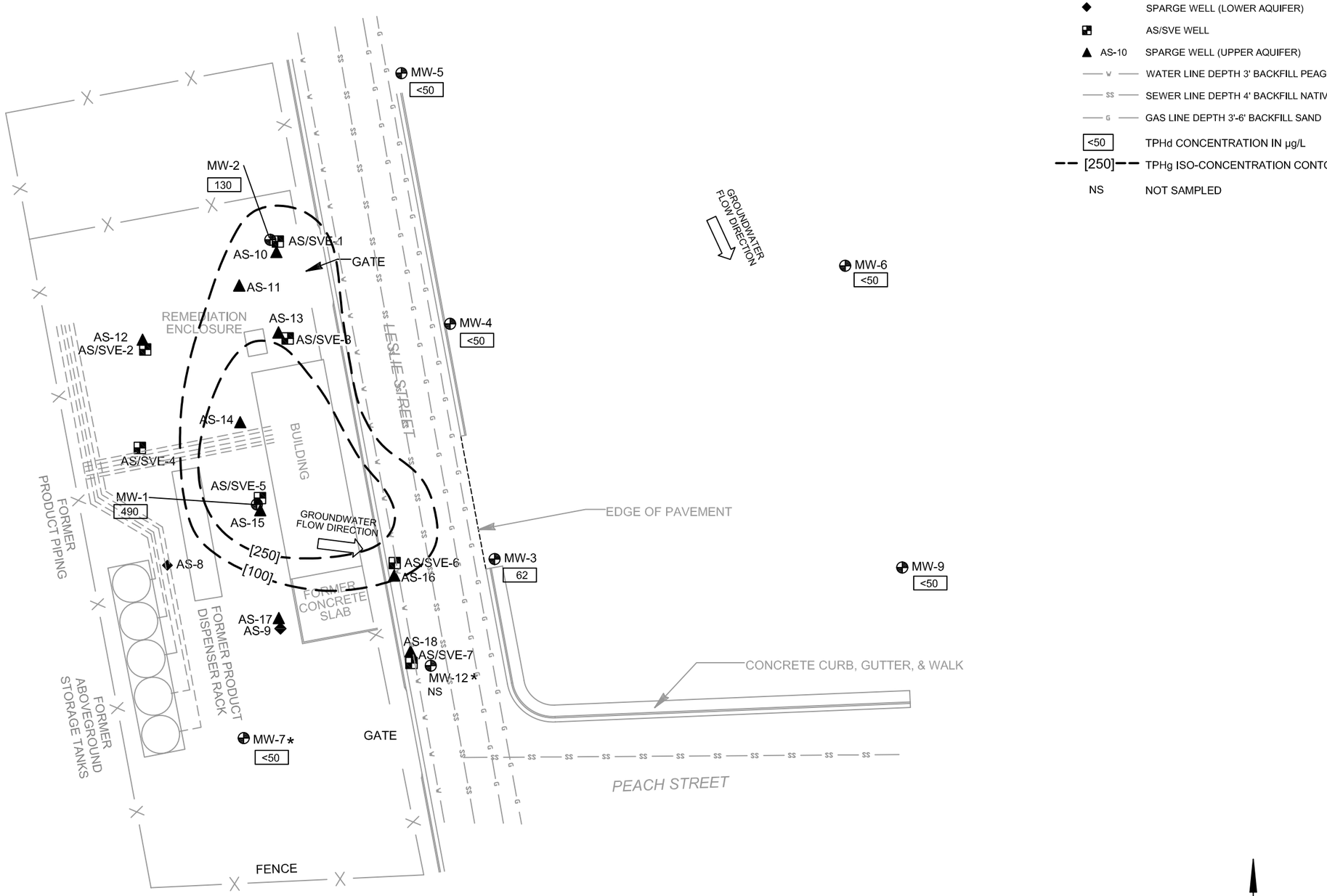

LEGEND:

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MW-7 ★	D.Z., INC. GROUNDWATER MONITORING WELL
◆	SPARGE WELL (LOWER AQUIFER)
■	AS/SVE WELL
AS-10 ▲	SPARGE WELL (UPPER AQUIFER)
W	WATER LINE DEPTH 3' BACKFILL PEAGRAVEL
SS	SEWER LINE DEPTH 4' BACKFILL NATIVE
G	GAS LINE DEPTH 3'-6' BACKFILL SAND
<50	TPHd CONCENTRATION IN µg/L
[250]	TPHg ISO-CONCENTRATION CONTOUR
NS	NOT SAMPLED

REFERENCE: WELL LOCATIONS AND EXISTING SITE FEATURES ON THIS FIGURE ARE BASED ON A MAP PROVIDED BY MORROW SURVEYING ON 4/13/2005.

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Approximate Scale in Feet

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X	X	X	X

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TPHd ISO-CONCENTRATION MAP MAY 17, 2006

QUARTERLY MONITORING REPORT 2nd QUARTER 2006
FORMER UNOCAL BULK PLANT 0813
122 LESLIE STREET
UKIAH, CALIFORNIA

SCALE:	DATE:	PROJECT NUMBER:
1" = 40'	6/7/06 PR	06940-264

FIGURE NUMBER:
5

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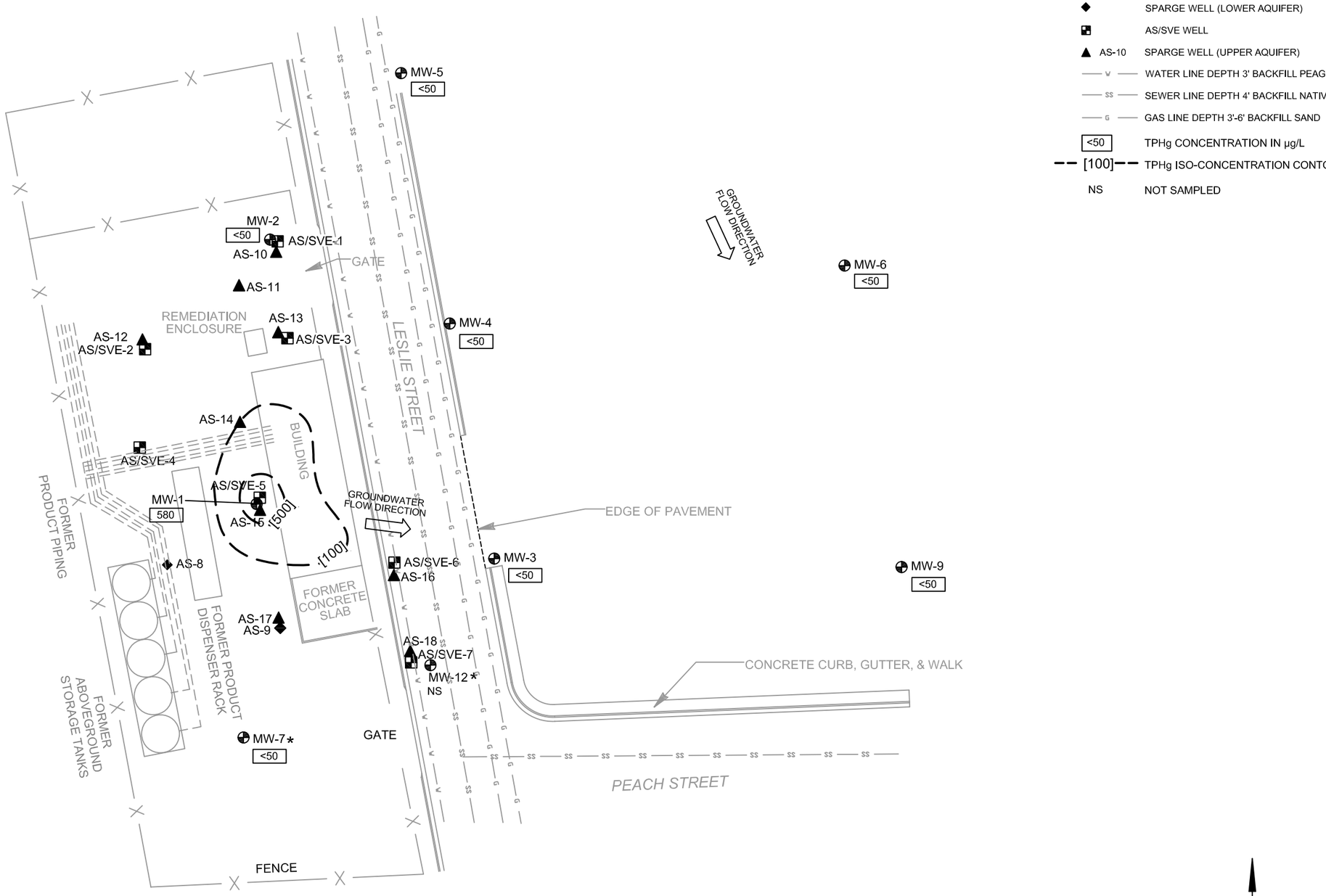

LEGEND:

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MW-7 *	D.Z., INC. GROUNDWATER MONITORING WELL
◆	SPARGE WELL (LOWER AQUIFER)
■	AS/SVE WELL
AS-10 ▲	SPARGE WELL (UPPER AQUIFER)
W	WATER LINE DEPTH 3' BACKFILL PEAGRAVEL
SS	SEWER LINE DEPTH 4' BACKFILL NATIVE
G	GAS LINE DEPTH 3'-6' BACKFILL SAND
<50	TPHg CONCENTRATION IN µg/L
[100]	TPHg ISO-CONCENTRATION CONTOUR
NS	NOT SAMPLED

REFERENCE: WELL LOCATIONS AND EXISTING SITE FEATURES ON THIS FIGURE ARE BASED ON A MAP PROVIDED BY MORROW SURVEYING ON 4/13/2005.

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Approximate Scale in Feet

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APPROVED BY: X

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TPHg ISO-CONCENTRATION MAP MAY 17, 2006

QUARTERLY MONITORING REPORT 2nd QUARTER 2006
FORMER UNOCAL BULK PLANT 0813
122 LESLIE STREET
UKIAH, CALIFORNIA

SCALE: 1" = 40'
DATE: 6/7/06 PR
PROJECT NUMBER: 06940-264

FIGURE NUMBER: 6

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Figure 7

TPHd and TPHg Concentrations in MW-1

Former Unocal Bulk Plant No. 0813

122 Leslie Street, Ukiah, California

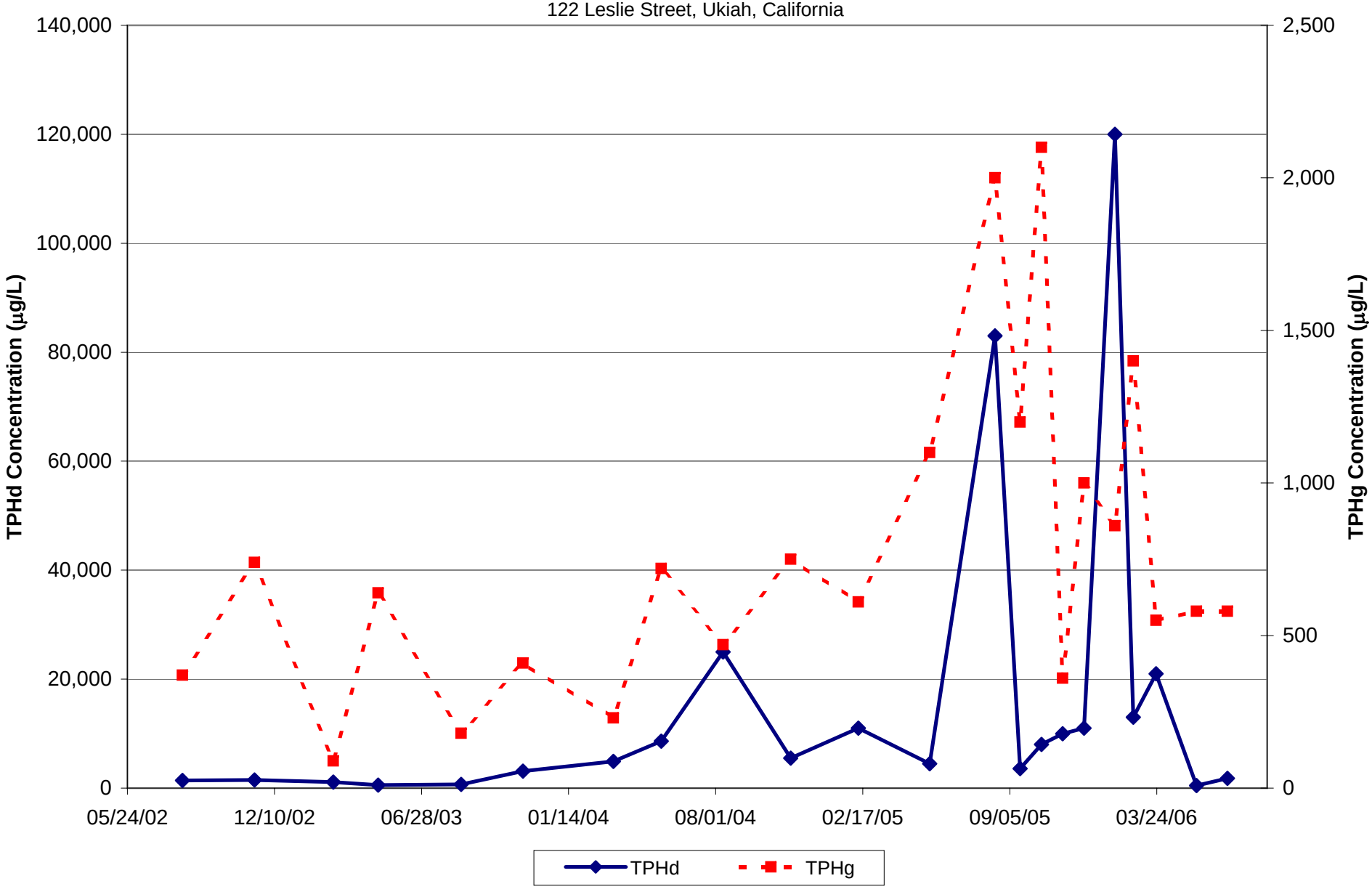

Figure 8
TPHd and TPHg Concentrations in MW-2
Former Unocal Bulk Plant No. 0813
122 Leslie Street, Ukiah, California

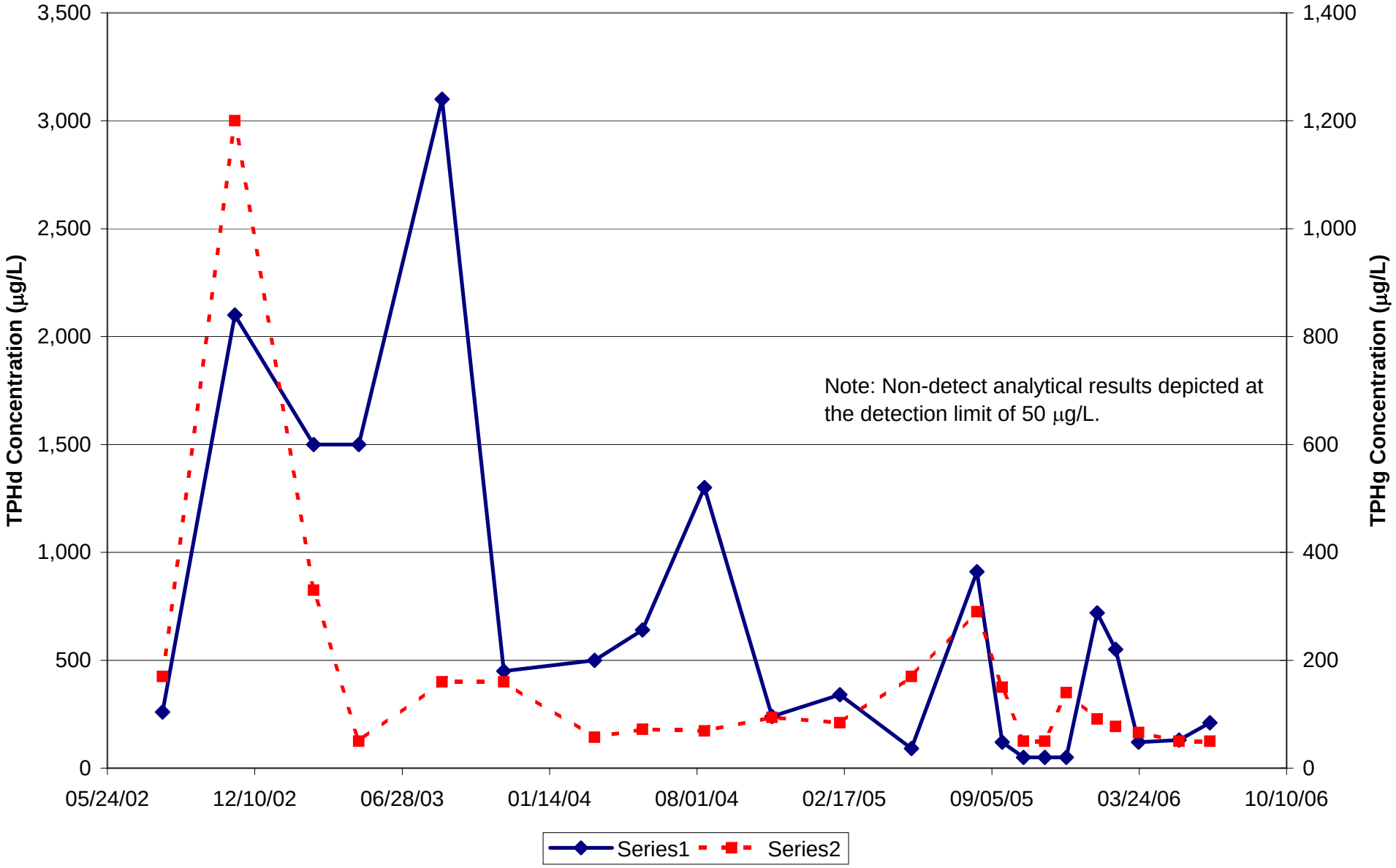

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC* *(ft.)*	DATE	DTW *(ft.)*	GWE *(msl)*	TPHd *(µg/L)*	TPHg *(µg/L)*	B *(µg/L)*	T *(µg/L)*	E *(µg/L)*	X *(µg/L)*	Total Lead *(µg/L)*	TOG *(µg/L)*
MW-1	08/07/02[1]	16.11	591.82	1,400	370[2]	<0.50	<0.50	1.3	<0.50	<75	<5,000
607.93	11/13/02	17.35	590.58	1,500	740	<0.50	<0.50	6.7	<0.50	<75	<5,000
	02/28/03	7.26	600.67	1,100	89	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	04/30/03	4.29	603.64	570	640	<0.50	<0.50	1.8	<0.50	<75	<5,000
	08/21/03	13.93	594.00	690	180	1.5	<0.50	0.87	2.1	<50	<5,000
	11/13/03	20.25	587.68	3,100	410	<0.50	<0.50	0.64	<0.50	<75	<5,000
	03/15/04	6.65	601.28	4,900	230 [4]	<0.50	<0.50	<0.50	2.0	7.6	<5,000
	05/19/04	10.50	597.43	8,600	720	<0.50	<0.50	3.8	3.7	9.0	5,000
	08/11/04	16.81	591.12	25,000	470 [4]	1.4	<1.0 [6]	2.2	4.5	15	<5,000
	11/11/04	17.73	590.20	5,500	750 [4]	1.3	4.1	11	6.4	6.8	<5,000
	02/11/05	7.67	600.26	11,000	610 [4]	<0.50	0.62	2.5	3.4	<5.0	<5,000
	05/19/05	6.04	602.58	4,500	1,100	<1.5	<1.5	<2.5	<2.5	5.4	NA
608.62	08/16/05	11.80	596.82	83,000	2,000	0.39	<0.30	<0.50	<0.50	22	5,200
	11/16/05	17.30	591.32	10,000	360	0.41	<0.30	<0.50	<0.50	12	NA
	02/20/06	7.24	601.38	13,000	1,400 [4]	<0.50	4.4	7.6	5.6	<50	NA
Duplicate	**05/17/06**	**--**	**--**	**--**	**270**	**<0.50**	**<0.50**	**2.0**	**1.4**	**--**	**--**
	05/17/06	**7.61**	**601.01**	**490 [5]**	**580 [4]**	**<0.50**	**<0.50**	**6.2**	**4.4**	**<50**	**<5,000**
MW-2	08/07/02[1]	17.35	590.43	260	170[2]	<0.50	<0.50	0.91	<0.50	<75	<5,000
607.78	11/13/02	20.23	587.55	2,100	1,200	<1.0	<1.0	19	<1.0	<75	<5,000
	02/28/03	7.55	600.23	1,500	330	<0.50	<0.50	2.4	0.57	<75	<5,000
	04/30/03	4.87	602.91	1,500	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,100
	08/21/03	14.54	593.24	3,100[2]	160	<0.50	0.60	1.1	4.0	<50	<5,000
	11/13/03	21.04	586.74	450	160	<0.50	<0.50	0.67	<0.50	<75	<5,000
	03/15/04	7.13	600.65	500	57 [4]	<0.50	<0.50	<0.50	<1.0	8.4	<5,000
	05/19/04	10.77	597.01	640	72	<0.50	<0.50	1.7	2.9	6.9	<5,000
	08/11/04	18.00	589.78	1,300	69 [4]	<0.50	<0.50	0.88	2.0	12	<5,000
	11/11/04	20.08	587.70	240	94 [4]	<0.50	0.99	2.0	2.5	<5.0	<5,000
	02/11/05	7.37	600.41	340	84 [4]	<0.50	0.87	1.5	<1.0	<5.0	<5,000
	05/19/05	7.73	600.83	91	170	<0.30	<0.30	<0.50	<0.50	2.2	NA
608.56	08/16/05	10.55	598.01	910 [7]	290	<0.30	<0.30	<0.50	<0.50	56	<5,000

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC* *(ft.)*	DATE	DTW *(ft.)*	GWE *(msl)*	TPHd *(µg/L)*	TPHg *(µg/L)*	B *(µg/L)*	T *(µg/L)*	E *(µg/L)*	X *(µg/L)*	Total Lead *(µg/L)*	TOG *(µg/L)*
MW-2	11/16/05	18.95	589.61	<50	<50	<0.30	<0.30	<0.50	<0.50	170	NA
(Cont.)	02/20/06	8.11	600.45	550	77	<0.50	<0.50	2.0	1.0	<50	NA
	05/17/06	**6.52**	**602.04**	**130** [5]	**<50**	**<0.50**	**<0.50**	**0.70**	**<1.0**	**<50**	**<5,000**
MW-3	08/07/02[1]	17.29	589.85	28,000	1,300[2]	<0.50	<0.50	7.8	<0.50	360	5,300
607.14	11/13/02	20.73	586.41	9,100	570	<5.0	<5.0	<5.0	<5.0	<75	5,400
	02/28/03	7.78	599.36	220	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	04/30/03	5.04	602.10	420	56	<0.50	<0.50	1.0	<0.50	<75	<5,000
	08/21/03	14.45	592.69	460	71	1.6	<0.50	<0.50	1.1	<50	<5,000
	11/13/03	21.45	585.69	1,300	260	2.4	<0.50	<0.50	<0.50	<75	<5,000
	03/15/04	7.38	599.76	360	87	0.71	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/04	10.90	596.24	430	110	<0.50	0.74	0.99	<1.0	<5.0	<5,000
	08/11/04	17.88	589.26	1,200	140 [4]	<0.50	0.56	1.3	2.4	<5.0	<5,000
	11/11/04	20.30	586.84	1,900	310 [4]	0.77	1.1	5.6	4.5	<5.0	<5,000
	02/11/05	7.64	599.50	230	<50	<0.50	0.59	0.82	<1.0	<5.0	<5,000
	05/19/05	6.31	601.57	<50	270	<0.30	<0.30	<0.50	<0.50	<2.0	NA
607.88	08/16/05	12.13	595.75	370 [8]	470	<0.30	<0.30	<0.50	<0.50	2.4	<5,000
	11/16/05	18.88	589.00	82	130	<0.30	<0.30	<0.50	<0.50	2.1	NA
	02/20/06	7.80	600.08	390	53	<0.50	<0.50	<0.50	<1.0	<50	NA
	05/17/06	**8.08**	**599.80**	**62** [5]	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-4	08/07/02[1]	17.16	590.13	69	<50	<0.50	<0.50	<0.50	<0.50	540	<5,000
607.29	11/13/02	20.35	586.94	130	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	02/28/03	7.49	599.80	240	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	04/30/03	4.82	602.47	240	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,100
	08/21/03	14.54	592.75	120[2]	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000
	11/13/03	21.25	586.04	NS	NS	NS	NS	NS	NS	NS	NS
	03/15/04	7.02	600.27	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000

Table 1
Groundwater Monitoring Data and Analytical Results
Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC* *(ft.)*	DATE	DTW *(ft.)*	GWE *(msl)*	TPHd *(µg/L)*	TPHg *(µg/L)*	B *(µg/L)*	T *(µg/L)*	E *(µg/L)*	X *(µg/L)*	Total Lead *(µg/L)*	TOG *(µg/L)*
MW-4	05/19/04	10.60	596.69	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
(Cont.)	08/11/04	17.77	589.52	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	11/11/04	20.00	587.29	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	02/11/05	7.28	600.01	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/05	6.26	601.81	<50	<50	<0.30	<0.30	<0.50	<0.50	<2.0	NA
608.07	08/16/05	11.88	596.19	210 [8]	<50	<0.30	<0.30	<0.50	<0.50	3.0	<5,000
	11/16/05	18.88	589.19	120 [10]	<50	<0.30	<0.30	<0.50	<0.50	18	NA
	02/20/06	7.34	600.73	<50	<50	<0.50	<0.50	<0.50	<1.0	<50	NA
	05/17/06	**7.69**	**600.38**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-5	08/07/02[1]	17.33	590.31	4,100	210[2]	<0.50	<0.50	<0.50	<0.50	310	<5,000
607.64	11/13/02	20.38	587.26	1,100	74	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	02/28/03	7.39	600.25	6,300	<50	<0.50	<0.50	<0.50	<0.50	<75	11,000
	04/30/03	4.81	602.83	3,700	<50	<0.50	<0.50	<0.50	<0.50	<75	6,600
	08/21/03	14.44	593.20	880[2]	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000
	11/13/03	21.15	586.49	30,000	61	<0.50	<0.50	<0.50	<0.50	130	7,300
	03/15/04	6.92	600.72	1,600 [5]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/04	10.58	597.06	<50	<50	<0.50	<0.50	0.53	1.0	<5.0	17,000
	08/11/04	17.92	589.72	8,800 [5]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	11/11/04	20.02	587.62	4,800 [5]	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	02/11/05	7.15	600.49	<50	<50	<0.50	<0.50	<0.50	<1.0	5.3	<5,000
	05/19/05	6.16	602.24	<50	<50	<0.30	<0.30	<0.50	<0.50	<2.0	NA
608.40	08/16/05	11.90	596.50	170 [8]	<50	<0.30	<0.30	<0.50	<0.50	3.0	5,000
	11/16/05	18.90	589.50	<50	<50	<0.30	<0.30	<0.50	<0.50	<2.0	NA
	02/20/06	7.24	601.16	<50	<50	<0.50	<0.50	<0.50	<1.0	<50	NA
	05/17/06	**7.57**	**600.83**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-6	08/07/02[1]	16.75	589.85	<50 [3]	<50	<0.50	<0.50	<0.50	<0.50	260	<5,000
606.60	11/13/02	20.57	586.03	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC* *(ft.)*	DATE	DTW *(ft.)*	GWE *(msl)*	TPHd *(µg/L)*	TPHg *(µg/L)*	B *(µg/L)*	T *(µg/L)*	E *(µg/L)*	X *(µg/L)*	Total Lead *(µg/L)*	TOG *(µg/L)*
MW-6	02/28/03	7.10	599.50	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
(Cont.)	04/30/03	4.70	601.90	72	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,200
	08/21/03	13.88	592.72	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000
	11/13/03	21.00	585.60	230	<50	<0.50	<0.50	<0.50	<0.50	190	<5,000
	03/15/04	6.66	599.94	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/04	10.15	596.45	<50	<50	<0.50	0.56	0.73	2.0	<5.0	<5,000
	08/11/04	17.32	589.28	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	11/11/04	19.72	586.88	<50	<50	<0.50	<0.50	<0.50	<1.0	8.3	<5,000
	02/11/05	6.94	599.66	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/05	5.93	601.43	<50	<50	<0.30	<0.30	<0.50	<0.50	13	NA
607.36	08/16/05	11.45	595.91	<120 [9]	<50	<0.30	<0.30	<0.50	<0.50	8.8	<5,000
	11/16/05	18.64	588.72	<50	<50	<0.30	<0.30	<0.50	<0.50	7.4	NA
	02/20/06	7.11	600.25	<50	<50	<0.50	<0.50	<0.50	<1.0	<50	NA
	05/17/06	**7.39**	**599.97**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-7	08/07/02[1]	15.50	591.79	56	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
607.29	11/13/02	16.58	590.71	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	02/28/03	6.93	600.36	66	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	04/30/03	3.77	603.52	64	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,200
	08/21/03	13.39	593.90	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000
	11/13/03	19.60	587.69	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	03/15/04	6.36	600.93	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/04	10.10	597.19	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	08/11/04	16.18	591.11	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	11/11/04	17.05	590.24	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	02/11/05	6.72	600.57	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/05	5.54	602.53	<50	<50	<0.30	<0.30	<0.50	<0.50	<2.0	NA
608.07	08/16/05	11.30	596.77	420 [8]	<50	<0.30	<0.30	<0.50	<0.50	<2.0	<5,000
	11/16/05	16.70	591.37	<50	<50	<0.30	<0.30	<0.50	<0.50	<2.0	NA

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
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Ukiah, California

WELL ID/ TOC* *(ft.)*	DATE	DTW *(ft.)*	GWE *(msl)*	TPHd *(µg/L)*	TPHg *(µg/L)*	B *(µg/L)*	T *(µg/L)*	E *(µg/L)*	X *(µg/L)*	Total Lead *(µg/L)*	TOG *(µg/L)*
MW-7	02/20/06	6.96	601.11	<50	<50	<0.50	<0.50	<0.50	<1.0	<50	NA
(Cont.)	**05/17/06**	**7.13**	**600.94**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-8	08/07/02[1]	16.30	590.23	<50[3]	<50	<0.50	<0.50	<0.50	<0.50	190	<5,000
606.53	11/13/02	20.15	586.38	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	02/28/03	6.18	600.35	<50	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	04/30/03	3.98	602.55	59	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	08/21/03	13.33	593.20	<50	<50	<0.50	0.56	<0.50	<0.50	<50	<5,000
	11/13/03	20.60	585.93	140	<50	<0.50	<0.50	<0.50	<0.50	<75	<5,000
	03/15/04	5.72	600.81	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000
	05/19/04	9.40	597.13	<50	<50	<0.50	<0.50	0.66	1.9	<5.0	<5,000
	08/11/04	16.85	589.68	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	11/11/04	19.07	587.46	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	02/11/05	6.03	600.50	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	05/19/05	5.04	602.26	<50	<50	<0.30	<0.30	<0.50	<0.50	4.9	NA
607.30	08/16/05	10.73	596.57	140[8]	<50	<0.30	<0.30	<0.50	<0.50	7.6	<5,000
	11/16/05	17.90	589.40	<50	<50	<0.30	<0.30	<0.50	<0.50	11	NA
	02/20/06	6.18	601.12	<50	<50	<0.50	<0.50	<0.50	<1.0	<50	NA
	05/17/06	**6.51**	**600.79**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-9	08/21/03[1]	14.25	592.42	<50	<50	<0.50	<0.50	<0.50	<0.50	<50	<5,000
606.67	11/13/03	21.45	585.22	55	<50	<0.50	<0.50	<0.50	<0.50	79	<5,000
	03/15/04	7.50	599.17	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000
	05/19/04	10.78	595.89	<50	<50	0.94	0.77	0.95	3.2	<5.0	<5,000
	08/11/04	17.67	589.00	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	11/11/04	20.23	586.44	<50	<50	<0.50	<0.50	<0.50	<1.0	<5.0	<5,000
	02/11/05	7.77	598.90	<50	<50	<0.50	<0.50	<0.50	<0.50	<5.0	<5,000
	05/19/05	6.65	600.79	<50	<50	<0.30	<0.30	<0.50	<0.50	7.4	--
607.44	08/16/05	12.00	595.44	480[8]	<50	<0.30	<0.30	<0.50	<0.50	9.8	<5,000
	11/16/05	18.82	588.62	<50	<50	<0.30	<0.30	<0.50	<0.50	11	NA

Table 1

Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
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Ukiah, California

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MW-9	02/20/06	7.92	599.52	<50	<50	<0.50	<0.50	<0.50	<1.0	<50	NA
(Cont.)	**05/17/06**	**8.16**	**599.28**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<50**	**<5,000**
MW-12	NOT MONITORED/NOT SAMPLED			--	--	--	--	--	--	--	--
607.33											
Trip Blank	08/07/02	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
QA	11/13/02	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	02/28/03	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	04/30/03	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	08/21/03	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	11/13/03	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	05/19/04	--	--	NA	<50	<0.50	<0.50	<0.50	<0.50	NA	NA
	08/11/04	--	--	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
	11/11/04	--	--	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
	02/11/05	--	--	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
	05/19/05	--	--	NA	<50	<0.30	<0.30	<0.50	<0.50	NA	NA
	08/16/05	--	--	NA	<50	<0.30	<0.30	<0.50	<0.50	NA	NA
	11/16/05	--	--	NA	<50	<0.30	<0.30	<0.50	<0.50	NA	NA
	02/20/06	--	--	NA	<50	<0.50	<0.50	<0.50	<1.0	NA	NA
	05/17/06	--	--		**<50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**NA**	**NA**

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Groundwater Monitoring Data and Analytical Results

Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

EXPLANATIONS:

TOC = Top of Casing
DTW = Depth to Water
(ft.) = Feet
GWE = Groundwater Elevation
(msl) = Mean Sea Level
TPHd = Total Petroleum Hydrocarbons as Diesel
NS Not Sampled; unable to access well due to parked car

TPHg = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
TOG = Total Oil and Grease
NA = Not Analyzed

(ppb) = Parts per billion
-- = Not Measured/Not Calculated
QA = Quality Assurance/Trip Blank
mg/L = Milligrams per liter
µg/L = Microgram per liter

* TOC elevations were re-surveyed on April 13, 2005 by Morrow Surveying. Historically, TOC elevation for MW-9 was surveyed September 4, 2003, by Morrow Surveying, Inc. referencing the previous benchmark. TOC elevations are referenced to msl, and were surveyed June 24, 2002, by Morrow Surveying, Inc. The benchmark used for the survey was a City of Ukiah benchmark.

1 Well development performed.
2 Laboratory report indicates a hydrocarbon pattern is present in the requested quantitation range but does not resemble the pattern of the requested fuel.
3 Laboratory report indicates no sample remained for re-extraction.
4 Although sample contains compounds in the retention time range associated with gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.
5 Although sample contains compounds in the retention time range associated with diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel.
6 The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
7 Analysis of this sample indicates the presence of hydrocarbons lower in molecular weight than diesel
8 The sample chromatographic pattern does not resemble the diesel standard used for calibration
9 The method blank contains analyte at a concentration above the MRL; sample reporting limits were raised as necessary.
10 The sample chromatogram contains resolved peaks within the diesel range that do not resemble diesel.

Table 2
Ozone Sparging System Monitoring
Data and Analytical Results for MW-1 and MW-2
Former Unocal Bulk Plant No. 0813
122 Leslie Street
Ukiah, California

WELL ID/ TOC*(ft.)*	DATE	DTW *(ft.)*	GWE *(msl)*	TPHd *(µg/L)*	TPHg *(µg/L)*	B *(µg/L)*	T *(µg/L)*	E *(µg/L)*	X *(µg/L)*	Cr+6 *(µg/L)*	pH *pH Units*	Molybdenum *(µg/L)*	Selenium *(µg/L)*	Vanadium *(µg/L)*	Bromate *(µg/L)*	Bromide *(µg/L)*
MW-1	4/14/05*	NT	NT	4,700	1,100	ND	ND	ND	ND	ND	6.5	ND	ND	ND	ND	120
	4/20/05*	NT	NT	260	160	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	57
608.62	5/09/05*	NT	NT	97	540	ND	ND	ND	ND	ND	7.1	ND	ND	ND	ND	39
	5/19/05	6.04	602.58	4,500	1,100	ND	ND	ND	ND	ND	6.6	ND	ND	ND	NA	NA
	6/17/05*	NT	NT	180	220	ND	ND	ND	ND	ND	7.0	ND	ND	ND	ND	31
	8/16/05	11.80	596.82	83,000	2,000	0.39	<0.30	<0.50	<0.50	<10	6.7	<20	<5	<10	<5	6.5
	9/19/05	15.20	593.42	3,600	1,200	0.35	<0.30	<0.5	<0.50	<1.0	6.3	<20	<5.0	<10	<5	83
	10/18/05	17.70	590.92	8,000	2,100	0.45	<0.30	<0.5	<0.50	<1.0	7.1	<20	<5.0	<10	<5	22
	11/16/05	17.30	591.32	10,000	360	0.41	<0.30	<0.50	<0.50	<1.0	6.8	<20	<5.0	<10	<5	72
	12/15/05	12.90	595.72	11,000	1,000	0.50	<0.30	<0.50	<0.50	<1.0	6.2	<20	<5.0	<10	<5	55
	1/26/06	5.80	602.82	120,000	860	<0.50	<0.50	4.9	4.3	<1.0	6.60	<20	<5.0	<20	<20	<100
	2/20/06	7.24	601.38	13,000	1400 [1]	<0.50	4.4	7.6	5.6	<1.0	6.41	<20	<5.0	<20	<20	<100
	3/23/06	5.64	602.98	21,000 [2]	550 [1]	<0.50	<0.50	2.7	3.4	<1.0	6.52	<20	<5.0	<20	**<5.0**	<100
	5/17/06	**7.61**	**601.01**	**490 [2]**	**580 [1]**	**<0.50**	**<0.50**	**6.2**	**4.4**	**<1.0**	**6.21**	**<20**	**<5.0**	**<10**	**<5.0**	**<100**
	6/28/06	**10.44**	**598.18**	**1,800 [2]**	**580 [1]**	**<0.50**	**<0.50**	**3.2**	**3.7**	**<1.0**	**6.68**	**<20**	**<5.0**	**<20**	**<5.0**	**<15**
MW-2	4/14/05*	NT	NT	79	ND	ND	ND	ND	ND	ND	6.4	ND	ND	ND	ND	250
	4/20/05*	NT	NT	2,500	290	ND	ND	ND	ND	ND	6.5	ND	ND	ND	ND	69
608.56	5/09/05*	NT	NT	310	190	ND	ND	ND	ND	ND	6.8	ND	ND	2.4	ND	85
	5/19/05	7.73	600.83	91	170	ND	ND	ND	ND	ND	6.7	ND	ND	1.6	NA	NA
	6/17/05*	NT	NT	260	ND	ND	ND	ND	ND	0.1	6.8	ND	ND	ND	ND	49
	8/16/05	10.55	598.01	910	290	<0.30	<0.30	<0.50	<0.50	11	6.9	<20	<5	27	<5	81
	9/19/05	16.00	592.56	120	150	<0.3	<0.30	<0.50	<0.50	<1.0	6.5	<20	<5.0	<10	<5	79
	10/18/05	19.54	589.02	<50	<50	<0.3	<0.30	<0.50	<0.50	<1.0	7.3	<20	<5.0	<10	16	23
	11/16/05	18.95	589.61	<50	<50	<0.30	<0.30	<0.50	<0.50	<1.0	7.2	<20	<5.0	<10	<5	69
	12/15/05	12.80	595.76	<50	140	0.37	0.33	1.1	2.3	<1.0	6.7	<20	<5.0	<10	<5	61
	1/26/06	6.40	602.16	720	91	<0.50	<0.50	2.1	1.0	<1.0	6.74	<20	<5.0	<20	<20	150
	2/20/06	8.11	600.45	550	77	<0.50	<0.50	2.0	1.0	<1.0	6.64	<20	<5.0	<20	<20	<100
	3/23/06	7.21	601.35	120 [2]	66 [1]	<0.50	<0.50	1.3	1.0	<1.0	6.73	<20	<5.0	<20	**<5.0**	<100
	5/17/06	**6.52**	**602.04**	**130 [2]**	**<50**	**<0.50**	**<0.50**	**0.70**	**<1.0**	**<1.0**	**6.46**	**<20**	**<5.0**	**13**	**<5.0**	**<100**
	6/28/06	**11.09**	**597.47**	**210 [2]**	**<50**	**<0.50**	**<0.50**	**0.51**	**<1.0**	**<1.0**	**7.03**	**<20**	**<5.0**	**<20**	**<5.0**	**<15**

EXPLANATIONS:

TPHd = Total Petroleum Hydrocarbons as Diesel
TPHg = Total Petroleum Hydrocarbons as Gasoline
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes (total)
Cr+6 = Hexavalent chromium
ND = Non-detect
NA = Not analyzed
µg/L = micrograms per liter
TOC = Top of Casing
ft = feet above mean sea level
DTW = Depth to Water
GWE = Groundwater Elevation
-- = Not Measured/Not Calculated

* = Samples collected as part of the monthly ozone system monitoring & sampling were collected as grab samples. All samples collected as part of the quarterly groundwater monitoring program and monthly samples collected after 8/16/05 were collected following a three-casing-volume purge.

1 = Although sample contains compounds in the retention time range associated gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.

2 = Although sample contains compounds in the retention time range associated diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel.

ATTACHMENT A

FIELD METHODS AND PROCEDURES

FIELD METHODS AND PROCEDURES
Unocal Site No. 813, 122 Leslie Street, Ukiah, CA (Site)
ENSR Project No. 06940-264

The following section describes field procedures that are to be used by ENSR personnel in the performance and quality management of the field work and data evaluation tasks involved with this project.

1. HEALTH AND SAFETY PLAN

The performance of fieldwork and other project services by ENSR and ENSR's subcontractors will be conducted according to guidelines established in the most current, Site-specific Health And Safety Plan (HASP). The HASP describes the hazards that may be encountered in the field and specifies protective equipment, work procedures, and emergency information. A copy of the HASP is maintained at the Site. Prior to performing work at the Site, personnel will have read the HASP, and sign that they have read the HASP and will perform work at the Site in accordance with the HASP.

2. DECONTAMINATION

Decontamination of equipment brought to and used at the Site is performed in accordance with ENSR SOP No. 7600. The soap solution and rinse water used for decontamination are collected and properly disposed of as described in Section 7.

3. GROUNDWATER DEPTH ASSESSMENT

Initially, all wells for groundwater depth assessment are opened and allowed to equilibrate to atmospheric pressure. Measuring the thickness of liquid-phase hydrocarbons (LPH), if present, and the depth to groundwater are performed in accordance with the applicable sections of ENSR SOP No. 7130. The water level measurement probe is subjectively analyzed for LPH sheen after each measurement.

4. SUBJECTIVE ANALYSIS OF GROUNDWATER

Prior to purging for groundwater monitoring, a groundwater sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

5. GROUNDWATER SAMPLE COLLECTION

5.1 Purged Groundwater Sample

The purging and collection of a groundwater sample are performed in accordance with ENSR SOP No. 7130. Well purging completion standards include minimum purge volumes, and the stabilization of specific groundwater parameters prior to sample collection. Typical groundwater parameters used to measure stability are electrical conductivity, pH, and temperature as described in ENSR SOP Nos. 7124, 7121, and 7123, respectively. Groundwater parameter readings are obtained at regular intervals during the purging process (no less than once per case volume).

5.2 Dissolved Oxygen Measurement

Dissolved oxygen (D.O.) readings are collected in accordance with ENSR SOP No. 7122 using HORIBA meters (e.g. HORIBA Model U-22 or equivalent D.O. meter). These meters are equipped with a stirring device that enables the collection of in-situ readings.

5.3 Oxidation Reduction Potential (Redox Potential) Measurement

Redox potential readings are obtained with HORIBA meters (e.g. HORIBA Models U-22 or equivalent ORP meter). The meter is cleaned between wells as described above. The meter is calibrated at the start of each day according to the manufacturer's instruction manual.

5.4 Grab Groundwater Sample Collection

A grab groundwater sample is collected by lowering a disposable bailer to sufficient depth that the length of the bailer is below the water table.

6. PACKAGING AND SHIPMENT OF SAMPLES

Soil, groundwater, and/or gas samples from field work are packaged and shipped in accordance with ENSR SOP No. 7510.

7. INVESTIGATION-DERIVED WASTE MANAGEMENT

The purge water, decontamination residuals, and aqueous-based, liquid wastes from field work are placed in 55-gallon drums and temporarily stored on-site pending evaluation of disposal options. Solid wastes, such as disposable bailers and paper wipes, generated during field work are packaged in an appropriate container and separately from liquid wastes. Final disposal is performed consistent with accepted regulatory requirements and consistent with requirements specified by Unocal.

8. QUALITY CONTROL

Quality control samples are collected and submitted for analysis. The quality control samples may include field blanks, rinsate blanks, duplicate sample(s), and matrix spike/matrix spike duplicate samples as described in Section 5.0 of ENSR SOP No. 7130.

9. DOCUMENTATION

Documentation of field work is performed consistent with Section 6.0 of ENSR SOP No. 7130 and ENSR SOP No. 7515.

ATTACHMENT B

GROUNDWATER SAMPLING INFORMATION DATA

ENSR | AECOM

WELL GAUGING SHEET

Site Address: 122 Leslie St., Ukiah, CA

ENSR Job #: 06940-264-100

Unocal Job #: 813

Date: 5/17/06

Recorded by: Heather Tausher

Well ID	PID	TOC/ TOB	Casing Diameter	Time Gauged	Depth to Water	Total Depth	Depth to Product	Product Thickness	Notes
MW-9	13.5	TOC	2"	9:03	8.16	24.61	N/A	N/A	TAKE D.O. READING
MW-6	15.7		2"	9:07	7.39	23.41			water in well head
MW-8	4.7		2"	9:11	6.51	24.79			
MW-7	38.0		4"	9:17	7.13	24.58			
MW-4	21.3		2"	9:21	7.69	25.91			water in well head
MW-5	~~8.7~~ ~~25.3~~		2"	~~9:23~~ ~~9:25~~	~~7.57~~ ~~8.00~~	25.91			water in well head
MW-3	25.3		2"	9:25	8:00	24.29			
MW-2	13.2		2"	9:33	6.52	23.39			
MW-1	7.1		2"	9:37	7.61	24.11			
MW-12	NA	NA	NA	NA	NA	NA			DO NOT SAMPLE

COMMENTS:

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL 122 Leslie St., Ukiah
PROJECT NO.: 06940-264-100
SITE: 813
WELL DESIGNATION: **MW-3**
SAMPLER: FRANK SMITH
START DATE/TIME: 5/17/06 11:50

Is setup of traffic control devices required? NO (YES)
Is there standing water in the well box? (NO) YES (above TOC below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"

Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61

Depth to Bottom (DTB): 24.29 Depth to water (DTW): 8.08 Water column (Ft): 16.21

Case Volume: 2.59 80% Recharge: 11.33 = DTB - (Water column (Ft) x 0.80) 12.96

Purging Equipment:
X Disposable bailer
___ Dedicated tubing
___ Watera
___ Submersible pump
___ Positive air displacement
___ Peristaltic pump
___ Other

PRE PURGE
DO: 1.06 mg/L TEMP: 17.1°C ORP: 73mV

POST PURGE
DO: 1.09 mg/L TEMP: 17.4°C ORP: -11mV

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
11:57	18.3	38.2mS/m	7.72	2.75	PARTICLES
12:05	17.6	39.4mS/m	7.69	5.50	PARTICLES
12:11	17.6	39.5mS/m	7.75	8.25	PARTICLES

Total Volume Removed: 8.25
Sample Appearance: PARTICLES
QC Samples collected at this well: NO
Samped with: Disposable bailer: X Teflon bailer: ___ Dedicated tubing: ___
Sampling Time: 12:20 Sampling Date: 5/17/06 Depth to Water: 8.16
Field Filter: ___

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/Ice/TRPH (1664)
1- 250-mL Amber/Ice/TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks:

(write on back if additional space is needed)

Signature: Frank Smith Review:

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL
122 Leslie St., Ukiah
SITE: 813

PROJECT NO.: 06940-264-100

WELL DESIGNATION: **MW-5**

SAMPLER: FRANK SPETH

START DATE/TIME: 5/17/06 10:50

Is setup of traffic control devices required? NO (YES)
Is there standing water in the well box? (NO) YES (above TOC below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"

Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61

Depth to Bottom (DTB): 23.39 Depth to water (DTW): 7.57 Water column (Ft): 15.82

Case Volume: 2.53 80% Recharge: 10.74 = DTB - (Water column (Ft) x 0.80) 12.65

Purging Equipment:
X Disposable bailer
___ Dedicated tubing
___ Watera
___ Submersible pump
___ Positive air displacement
___ Peristaltic pump
___ Other

PRE PURGE DO: .05 mg/L TEMP: 15.6°C ORP: 30mV

POST PURGE DO: .07 mg/L TEMP: 16.1°C ORP: 5mV

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
10:59	16.0°	21.1mS/m	7.68	2.75	WATER CLOUDY
11:08	16.1	20.6mS/m	7.72	5.50	" "
11:15	16.1	20.6mS/m	7.75	8.25	" "

Total Volume Removed: 8.25
Sample Appearance: CLOUDY
QC Samples collected at this well: ___
Samped with: Disposable bailer: X Teflon bailer: ___ Dedicated tubing: ___
Sampling Time: 11:22 Sampling Date: ___ Depth to Water: 7.50
Field Filter: ___

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/Ice/TRPH (1664)
1- 250-mL Amber/Ice/TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks: ___

(write on back if additional space is needed)

Signature: [signature] Review: ___

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL
122 Leslie St., Ukiah
SITE: 813
SAMPLER: FRANK SPETH

PROJECT NO.: 06940-264-100
WELL DESIGNATION: **MW-2** & PURGE
START DATE/TIME: (5/17/06 12:45)

Is setup of traffic control devices required? (NO) YES
Is there standing water in the well box? (NO) YES (above TOC below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"
Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61
Depth to Bottom (DTB): 25.91 Depth to water (DTW): 6.52 Water column (Ft): 19.39
Case Volume: 3.10 80% Recharge: 10.40 = DTB - (Water column (Ft) x 0.80) 15.51

Purging Equipment:
X Disposable bailer
___ Dedicated tubing
___ Watera
___ Submersible pump
___ Positive air displacement
___ Peristaltic pump
___ Other

PRE PURGE
DO: 2.3 mg/L TEMP: 16.2 C ORP: 107 mV

POST PURGE
DO: .08 mg/L TEMP: 16.4 C ORP: 151 mV

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
12:57	16.3	27.6 mS/m	7.14	3.25	MURKY
13:04	16.3	26.4 mS/m	7.28	6.50	MURKY
13:11	16.3	25.6 mS/m	7.40	9.75	MURKY?

Total Volume Removed: 9.75
Sample Appearance: clear
QC Samples collected at this well: no
Samped with: Disposable bailer: X Teflon bailer: ___ Dedicated tubing: ___
Sampling Time: 16:14 Sampling Date: 5/17/06 Depth to Water: 6.79
Field Filter: yes

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-mL Amber/Ice/TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)
1- 500-mL Poly/Ice/Bromate/Bromide (300.0) Chromium VI (7199) / pH (150.1) ***
1- 500-mL Poly/HNO3/Molybdenum (200.7)/Selenium (200.9)/Vanadium (200.7) **** = Dissolved (Field Filtered)

Remarks: ***SHORT HOLD TIMES**

(write on back if additional space is needed)

Signature: Frank Speth Review: ___

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL
122 Leslie St., Ukiah
SITE: 813
SAMPLER: FRANK SPETH

PROJECT NO.: 06940-264-100
WELL DESIGNATION: MW-1 * PURGE
START DATE/TIME: 5/17/06 13:25

Is setup of traffic control devices required? NO YES
Is there standing water in the well box? NO YES (above TOC below TOC)
Is well cap sealed and locked? NO YES (If NO, please explain in remarks)

Well diameter: 2" 3" 4" 6" 8"
Purge Vol. Multiplier: 0.16 0.37 0.65 1.47 2.61
Depth to Bottom (DTB): 24.11 Depth to water (DTW): 7.61 Water column (Ft): 16.5
Case Volume: 2.64 80% Recharge: 10.91 = DTB - (Water column (Ft) x 0.80) 13.2

Purging Equipment:
X Disposable bailer
___ Dedicated tubing
___ Watera
___ Submersible pump
___ Positive air displacement
___ Peristaltic pump
___ Other

PRE PURGE
DO: .06 mg/L TEMP: 16.2°C ORP: 124mV

POST PURGE
DO: .05 mg/L TEMP: 17.2°C ORP: -101mV

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
13:41	16.6	22.0 mS/m	7.49	2.75	PARTICLES
13:46	16.9	25.7 mS/m	7.40	5.50	PARTICLES
13:51	16.8	25.8 mS/m	7.45	8.25	PARTICLES

Total Volume Removed: 8.25
Sample Appearance: Clear
QC Samples collected at this well: yes MW-1A @ 16:09
Samped with: Disposable bailer: X Teflon bailer: ___ Dedicated tubing: ___
Sampling Time: 16:04 Sampling Date: 5/17/06 Depth to Water: 7.54
Field Filter: YES

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-mL Amber/no preserv./TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)
1- 500-mL Poly/Ice/Bromate/Bromide (300.0) Chromium VI (7199) / pH (150.1) ***
1- 500-mL Poly/HNO3/Molybdenum (200.7)/Selenium (200.9)/Vanadium (200.7) **** = Dissolved (Field Filtered)
DUP - 3-40-mL glass vial/Ice/HCl/TPHg/BTEX (8260)
Remarks: ***DUPLICATE Samples TPHg/BTEX ONLY*** *** ***SHORT HOLD TIME***

(write on back if additional space is needed)

Signature: Frank Speth Review: ___

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL
122 Leslie St., Ukiah
PROJECT NO.: 06940-264-100
SITE: 813
WELL DESIGNATION: **MW-9**
SAMPLER: Heather Tavaszker
START DATE/TIME: 5/17/06 10:45

Is setup of traffic control devices required? NO (YES)
Is there standing water in the well box? (NO) YES (above TOC below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"

Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61

Depth to Bottom (DTB): 24.61 Depth to water (DTW): 8.16 Water column (Ft): 16.45

Case Volume: 2.63 80% Recharge: 11.45 = DTB - (Water column (Ft) x 0.80) 13.16

Purging Equipment:
X Disposable bailer
____ Dedicated tubing
____ Watera
____ Submersible pump
____ Positive air displacement
____ Peristaltic pump
____ Other

PRE PURGE
DO: 2.53 TEMP: 15.5 ORP: 210

POST PURGE
DO: 2.76 TEMP: 14.0 ORP: 187

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
10:52	14.8	16.6 m S/m	5.92	2.75	Brown, cloudy
10:59	14.5	16.0 m S/m	5.83	5.50	Brown, cloudy
11:03	14.4	15.9 m S/m	5.79	8.25	Brown, cloudy

Total Volume Removed: 8.25
Sample Appearance: ~~clear~~ cloudy
QC Samples collected at this well: no
Samped with: Disposable bailer: X Teflon bailer: ____ Dedicated tubing: ____
Sampling Time: 11:13 Sampling Date: 5/17/06 Depth to Water: 8.36
Field Filter: ____

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-Ml Amber/no preserv./TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks: Location in Alley - straight across from 4th pole on chain link fence.

(write on back if additional space is needed)

Signature: Heather M Tavaszker Review: ____

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL 122 Leslie St., Ukiah
PROJECT NO.: 06940-264-100
SITE: 813
WELL DESIGNATION: **MW-6**
SAMPLER: Father Tavasher
START DATE/TIME: 5/17/06 11:25

Is setup of traffic control devices required? NO (YES)
Is there standing water in the well box? NO (YES) (above TOC) below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"

Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61

Depth to Bottom (DTB): 23.41 Depth to water (DTW): 7.39 Water column (Ft): 16.02

Case Volume: 2.56 80% Recharge: 10.6 = DTB - (Water column (Ft) x 0.80) 12.81

Purging Equipment:

X Disposable bailer
____ Dedicated tubing
____ Watera
____ Submersible pump
____ Positive air displacement
____ Peristaltic pump
____ Other

PRE PURGE
DO: 2.43 TEMP: 13.8 ORP: 238

POST PURGE
DO: 3.18 TEMP: 13.2 ORP: 256

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
11:33	13.8	15.0 mS/m	5.51	2.5	cloudy, brown
11:36	13.5	14.7 mS/m	5.58	5.0	cloudy, brown
11:42	13.4	14.8 mS/m	5.53	7.5	cloudy, brown

Total Volume Removed: 7.5
Sample Appearance: cloudy
QC Samples collected at this well: no
Samped with: Disposable bailer: X Teflon bailer: ____ Dedicated tubing: ____
Sampling Time: 11:47 Sampling Date: 5/17/06 Depth to Water: 7.56
Field Filter: ____

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-mL Amber/no preserv./TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks: ____

(write on back if additional space is needed)

Signature: [signature] Review: ____

ENSR | AECOM

WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL
122 Leslie St., Ukiah
PROJECT NO.: 06940-264-100
SITE: 813
WELL DESIGNATION: **MW-8**
SAMPLER: Heather Tauscher
START DATE/TIME: 5/17/06 12:03

Is setup of traffic control devices required? NO (YES)
Is there standing water in the well box? NO YES (above TOC below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"

Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61

Depth to Bottom (DTB): 24.79 Depth to water (DTW): 6.51 Water column (Ft): 18.28

Case Volume: 2.92 80% Recharge: 10.17 = DTB - (Water column (Ft) x 0.80) 14.62

Purging Equipment:
X Disposable bailer
____ Dedicated tubing
____ Watera
____ Submersible pump
____ Positive air displacement
____ Peristaltic pump
____ Other

PRE PURGE
DO: 2.96 TEMP: 13.0 ORP: 232

POST PURGE
DO: 2.94 TEMP: 13.8 ORP: 298

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
12:19	14.4	15.6 mS/m	5.92	3	cloudy, brown
12:27	14.1	15.5 mS/m	5.73	6	cloudy, brown
12:32	14.1	15.7 mS/m	5.70	9	cloudy, brown.

Total Volume Removed: 9
Sample Appearance: cloudy, brown
QC Samples collected at this well: no
Samped with: Disposable bailer: X Teflon bailer: ____ Dedicated tubing: ____
Sampling Time: 12:43 Sampling Date: 5/17/06 Depth to Water: 6.53
Field Filter: ____

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-Ml Amber/no preserv./TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks: location of well is between 2nd + 3rd pole of chain link fence on left side facing north.

(write on back if additional space is needed)

Signature: Heather Tauscher Review: ____

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WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL 122 Leslie St., Ukiah
PROJECT NO.: 06940-264-100
SITE: 813
WELL DESIGNATION: **MW-7**
SAMPLER: Heather Tavasher
START DATE/TIME: 5/17/06 13:11

Is setup of traffic control devices required? (NO) YES
Is there standing water in the well box? (NO) YES (above TOC below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: 2" ____ 3" ____ (4") ____ 6" ____ 8" ____

Purge Vol. Multiplier: 0.16 0.37 (0.65) 1.47 2.61

Depth to Bottom (DTB): 24.58 Depth to water (DTW): 7.13 Water column (Ft): 17.45

Case Volume: 11.34 80% Recharge: 10.62 = DTB - (Water column (Ft) x 0.80) 13.96

Purging Equipment:
____ Disposable bailer ____ Submersible pump DC 120 Other
____ Dedicated tubing ____ Positive air displacement
____ Watera ____ Peristaltic pump

PRE PURGE
DO: 3.19 TEMP: 17.5 ORP: 237

POST PURGE
DO: 3.24 TEMP: 16.1 ORP: 258

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
13:30	15.0	14.8 µS/m	5.96	11.5	clear
13:36	15.0	14.8 µS/m	5.86	23.0	clear
13:40	15.0	14.8 µS/m	5.81	34.5	clear

Total Volume Removed: 34.5
Sample Appearance: clear
QC Samples collected at this well: NO
Samped with: Disposable bailer: X Teflon bailer: ____ Dedicated tubing: ____
Sampling Time: 13:54 Sampling Date: 5/17/06 Depth to Water: 7.26
Field Filter: ____

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-Ml Amber/no preserv./TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks: ____

(write on back if additional space is needed)

Signature: [signature] Review: ____

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WELL SAMPLING INFORMATION SHEET

CLIENT: UNOCAL
122 Leslie St., Ukiah
PROJECT NO.: 06940-264-100
SITE: 813
WELL DESIGNATION: **MW-4**
SAMPLER: Heather Tavshier
START DATE/TIME: 5/17/06 14:05

Is setup of traffic control devices required? NO (YES)
Is there standing water in the well box? NO (YES) (above TOC) below TOC)
Is well cap sealed and locked? NO (YES) (If NO, please explain in remarks)

Well diameter: (2") 3" 4" 6" 8"
Purge Vol. Multiplier: (0.16) 0.37 0.65 1.47 2.61
Depth to Bottom (DTB): 25.91 Depth to water (DTW): 7.69 Water column (Ft): 18.22
Case Volume: 2.91 80% Recharge: 11.34 = DTB - (Water column (Ft) x 0.80) 14.57

Purging Equipment:
X Disposable bailer
___ Dedicated tubing
___ Watera
___ Submersible pump
___ Positive air displacement
___ Peristaltic pump
___ Other

PRE PURGE
DO: 0.27 TEMP: 18.1 ORP: 206

POST PURGE
DO: 0.10 TEMP: 17.3 ORP: 147

Time	Temp (F) (C)	Conductivity µs | ms	pH	Volume (Gal.)	Observations
14:20	18.0	22.9 mS/m	6.15	3	clear
14:25	17.8	23.4 mS/m	6.03	6	clear
14:29	17.8	23.1 mS/m	5.99	9	clear

Total Volume Removed: 9
Sample Appearance: clear
QC Samples collected at this well: no
Samped with: Disposable bailer: X Teflon bailer: ___ Dedicated tubing: ___
Sampling Time: 14:39 Sampling Date: 5/17/06 Depth to Water: 7.69
Field Filter: ___

Sample bottles & associated lab analysis:
3- 40-mL VOA/Ice/HCl; TPHg/ BTEX (8260)
1- 1-L Amber/no preserv./TRPH (1664)
1- 250-Ml Amber/no preserv./TPHd (8015M)
1- 500-mL Poly/HNO3/ Total Lead (6010)

Remarks: ___

(write on back if additional space is needed)

Signature: Heather M Tavshier Review: ___

ATTACHMENT C

LABORATORY ANALYTICAL RESULTS WITH CHAIN-OF-CUSTODY DOCUMENTATION

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

May 30, 2006

CLS Work Order #: CPE0615
COC #: No Number

Mike Berrington
ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project Name: Frmr. Unocal #0813, 122 Leslie St.
Ukiah, Ca.

Enclosed are the results of analyses for samples received by the laboratory on 05/18/06 12:10. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

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CHAIN OF CUSTODY

Page 1 of

Lab: CLS

TAT: Standard

Report results to:

Name: Mike Berrington
Company: ENSR
Mailing Address: 10461 Old Placerville Road, Suite 170
City, State, Zip: Sacramento, CA 95827
Telephone No.: 916-362-7100
Fax No.: 916-362-8100
E-Mail: mberrington@ensr.com

Project Information

Site Address: 122 Leslie Street, Ukiah
ENSR No.: 06940-264-100
Unocal No.: 813
Global ID No.: T0604593441

Special instructions and/or specific regulatory requirements:
Detection limit for Vanadium by 200.7 must be <10 ug/L
Detection limit for Selenium by(200.9) must be <5 ug/L
Detection limit for Molybdenum by(200.9) must be <20 ug/L
Detection limit for Bromate (300.0)must be <5 ug/L
Detection limit for Bromide (300.0)must be <15 ug/L

Sample Identification	Date Sampled	Time Sampled	Matrix/ Media	No. of Conts.	TPHg (8015)	BTEX (8021B)	TRPH (1664HEMSGT)	Total Lead (6010)	TPHd (8015)	Bromate (300) / Bromide (300.0)	Chromium VI (7199)	Molybdenum / Vanadium (200.7)	Selenium (200.9)	pH (150.1)	Sample Condition/Comments	Preservative
MW-5	5/17/06	11:22	GW	6	X	X	X	X	X							HCL/HNO3
MW3	5/17/06	12:20	GW	6	X	X	X	X	X							HCL/HNO3

Analyses Requested

Collected by: FRANK SPETH Date/Time 5/17/06
Relinquished by: FRANK SPETH Date/Time 5/18/06 8:40
Relinquished by: Date/Time 5/18/06 1210
Method of Shipment:

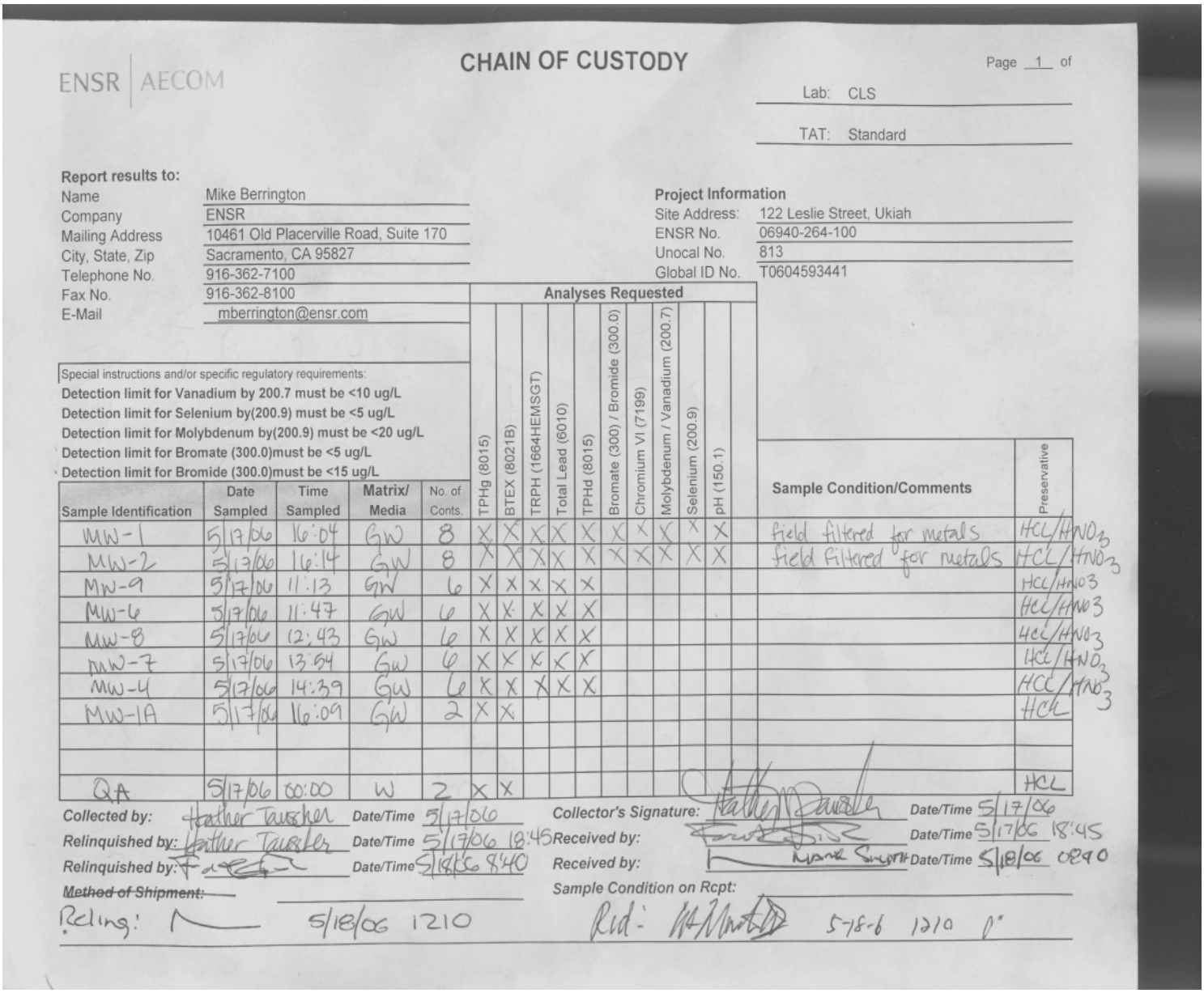
Collector's Signature: Date/Time 5/17/06
Received by: Date/Time 5/18/06 0840
Received by: 0° Date/Time 5-18-6 1210
Sample Condition on Rcpt:

*

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615



ENSR | AECOM

CHAIN OF CUSTODY

Page 1 of

Lab: CLS

TAT: Standard

Report results to:
Name: Mike Berrington
Company: ENSR
Mailing Address: 10461 Old Placerville Road, Suite 170
City, State, Zip: Sacramento, CA 95827
Telephone No.: 916-362-7100
Fax No.: 916-362-8100
E-Mail: mberrington@ensr.com

Project Information
Site Address: 122 Leslie Street, Ukiah
ENSR No.: 06940-264-100
Unocal No.: 813
Global ID No.: T0604593441

Special instructions and/or specific regulatory requirements:
Detection limit for Vanadium by 200.7 must be <10 ug/L
Detection limit for Selenium by(200.9) must be <5 ug/L
Detection limit for Molybdenum by(200.9) must be <20 ug/L
Detection limit for Bromate (300.0)must be <5 ug/L
Detection limit for Bromide (300.0)must be <15 ug/L

Analyses Requested

Sample Identification	Date Sampled	Time Sampled	Matrix/ Media	No. of Conts.	TPHg (8015)	BTEX (8021B)	TRPH (1664HEMSGT)	Total Lead (6010)	TPHd (8015)	Bromate (300) / Bromide (300.0)	Chromium VI (7199)	Molybdenum / Vanadium (200.7)	Selenium (200.9)	pH (150.1)	Sample Condition/Comments	Preservative
MW-1	5/17/06	16:04	GW	8	X	X	X	X	X	X	X	X	X	X	field filtered for metals	HCL/HNO3
MW-2	5/17/06	16:14	GW	8	X	X	X	X	X	X	X	X	X	X	field filtered for metals	HCL/HNO3
MW-9	5/17/06	11:13	GW	6	X	X	X	X	X							HCL/HNO3
MW-6	5/17/06	11:47	GW	6	X	X	X	X	X							HCL/HNO3
MW-8	5/17/06	12:43	GW	6	X	X	X	X	X							HCL/HNO3
MW-7	5/17/06	13:54	GW	6	X	X	X	X	X							HCL/HNO3
MW-4	5/17/06	14:39	GW	6	X	X	X	X	X							HCL/HNO3
MW-1A	5/17/06	16:09	GW	2	X	X										HCL
QA	5/17/06	00:00	W	2	X	X										HCL

Collected by: Heather Tauscher Date/Time 5/17/06
Relinquished by: Heather Tauscher Date/Time 5/17/06 18:45
Relinquished by: [signature] Date/Time 5/18/06 8:40
Method of Shipment:
Relinq: [signature] 5/18/06 1210

Collector's Signature: [signature] Date/Time 5/17/06
Received by: [signature] Date/Time 5/17/06 18:45
Received by: Mark Swartz Date/Time 5/18/06 0840
Sample Condition on Rcpt:
Rcd: [signature] 5-18-6 1210

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPE0615-01) Water Sampled: 05/17/06 16:04 Received: 05/18/06 12:10									
Bromide	ND	0.10	mg/L	1	CP03780	05/22/06	05/22/06	EPA 300.0	A-COM
Hexavalent Chromium	ND	1.0	µg/L	"	CP03723	05/18/06	05/18/06	EPA 7199	
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	"	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
pH	**6.21**		pH Units	"	CP03724	05/18/06	05/18/06	EPA 150.1	
MW-2 (CPE0615-02) Water Sampled: 05/17/06 16:14 Received: 05/18/06 12:10									
Bromide	ND	0.10	mg/L	1	CP03780	05/22/06	05/22/06	EPA 300.0	A-COM
Hexavalent Chromium	ND	1.0	µg/L	"	CP03723	05/18/06	05/18/06	EPA 7199	
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	"	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
pH	**6.46**		pH Units	"	CP03724	05/18/06	05/18/06	EPA 150.1	
MW-9 (CPE0615-03) Water Sampled: 05/17/06 11:13 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
MW-6 (CPE0615-04) Water Sampled: 05/17/06 11:47 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
MW-8 (CPE0615-05) Water Sampled: 05/17/06 12:43 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
MW-7 (CPE0615-06) Water Sampled: 05/17/06 13:54 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
MW-4 (CPE0615-07) Water Sampled: 05/17/06 14:39 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (CPE0615-10) Water Sampled: 05/17/06 11:22 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	
MW-3 (CPE0615-11) Water Sampled: 05/17/06 12:20 Received: 05/18/06 12:10									
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L	1	CP03728	05/18/06	05/18/06	EPA 1664 w/SGT	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPE0615-01) Water	**Sampled: 05/17/06 16:04**	**Received: 05/18/06 12:10**							
Diesel	**0.49**	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	D-DSL
MW-2 (CPE0615-02) Water	**Sampled: 05/17/06 16:14**	**Received: 05/18/06 12:10**							
Diesel	**0.13**	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	D-DSL
MW-9 (CPE0615-03) Water	**Sampled: 05/17/06 11:13**	**Received: 05/18/06 12:10**							
Diesel	ND	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	
MW-6 (CPE0615-04) Water	**Sampled: 05/17/06 11:47**	**Received: 05/18/06 12:10**							
Diesel	ND	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	
MW-8 (CPE0615-05) Water	**Sampled: 05/17/06 12:43**	**Received: 05/18/06 12:10**							
Diesel	ND	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	
MW-7 (CPE0615-06) Water	**Sampled: 05/17/06 13:54**	**Received: 05/18/06 12:10**							
Diesel	ND	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	
MW-4 (CPE0615-07) Water	**Sampled: 05/17/06 14:39**	**Received: 05/18/06 12:10**							
Diesel	ND	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	
MW-5 (CPE0615-10) Water	**Sampled: 05/17/06 11:22**	**Received: 05/18/06 12:10**							
Diesel	ND	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	
MW-3 (CPE0615-11) Water	**Sampled: 05/17/06 12:20**	**Received: 05/18/06 12:10**							
Diesel	**0.062**	0.050	mg/L	1	CP03752	05/19/06	05/19/06	EPA 8015M	D-DSL

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPE0615-01) Water Sampled: 05/17/06 16:04 Received: 05/18/06 12:10									
Gasoline	**580**	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	GAS-1
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**6.2**	0.50	"	"	"	"	"	"	
Xylenes (total)	**4.4**	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*248 %*	*65-135*		"	"	"	"	*QS-4*
MW-2 (CPE0615-02) Water Sampled: 05/17/06 16:14 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03845	05/22/06	05/24/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.70**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*110 %*	*65-135*		"	"	"	"	
MW-9 (CPE0615-03) Water Sampled: 05/17/06 11:13 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*81.0 %*	*65-135*		"	"	"	"	
MW-6 (CPE0615-04) Water Sampled: 05/17/06 11:47 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*73.0 %*	*65-135*		"	"	"	"	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-8 (CPE0615-05) Water Sampled: 05/17/06 12:43 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*86.0 %*	*65-135*		"	"	"	"	
MW-7 (CPE0615-06) Water Sampled: 05/17/06 13:54 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*71.5 %*	*65-135*		"	"	"	"	
MW-4 (CPE0615-07) Water Sampled: 05/17/06 14:39 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*89.5 %*	*65-135*		"	"	"	"	
MW-1A (CPE0615-08) Water Sampled: 05/17/06 16:09 Received: 05/18/06 12:10									
Gasoline	**270**	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**2.0**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.4**	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*140 %*	*65-135*		"	"	"	"	*QS-4*

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
QA (CPE0615-09) Water Sampled: 05/17/06 00:00 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*90.5 %*	*65-135*		"	"	"	"	
MW-5 (CPE0615-10) Water Sampled: 05/17/06 11:22 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*88.5 %*	*65-135*		"	"	"	"	
MW-3 (CPE0615-11) Water Sampled: 05/17/06 12:20 Received: 05/18/06 12:10									
Gasoline	ND	50	µg/L	1	CP03823	05/19/06	05/23/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*93.5 %*	*65-135*		"	"	"	"	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
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CLS Work Order #: CPE0615

Metals by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPE0615-01) Water Sampled: 05/17/06 16:04 Received: 05/18/06 12:10									
Molybdenum	ND	20	µg/L	1	CP03873	05/24/06	05/26/06	EPA 200.7	
Vanadium	ND	10	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	CP03885	05/24/06	05/24/06	EPA 200.8	
MW-2 (CPE0615-02) Water Sampled: 05/17/06 16:14 Received: 05/18/06 12:10									
Molybdenum	ND	20	µg/L	1	CP03873	05/24/06	05/26/06	EPA 200.7	
Vanadium	**13**	10	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	CP03885	05/24/06	05/24/06	EPA 200.8	

ENSR - Sacramento
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Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPE0615-01) Water	**Sampled: 05/17/06 16:04**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-2 (CPE0615-02) Water	**Sampled: 05/17/06 16:14**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-9 (CPE0615-03) Water	**Sampled: 05/17/06 11:13**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-6 (CPE0615-04) Water	**Sampled: 05/17/06 11:47**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-8 (CPE0615-05) Water	**Sampled: 05/17/06 12:43**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-7 (CPE0615-06) Water	**Sampled: 05/17/06 13:54**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-4 (CPE0615-07) Water	**Sampled: 05/17/06 14:39**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-5 (CPE0615-10) Water	**Sampled: 05/17/06 11:22**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	
MW-3 (CPE0615-11) Water	**Sampled: 05/17/06 12:20**	**Received: 05/18/06 12:10**							
Lead	ND	50	µg/L	1	CP03873	05/24/06	05/26/06	EPA 6010B	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03723 - General Prep										
Blank (CP03723-BLK1)				Prepared & Analyzed: 05/18/06						
Hexavalent Chromium	ND	1.0	µg/L							
LCS (CP03723-BS1)				Prepared & Analyzed: 05/18/06						
Hexavalent Chromium	4.22	1.0	µg/L	5.00		84.4	80-120			
LCS Dup (CP03723-BSD1)				Prepared & Analyzed: 05/18/06						
Hexavalent Chromium	4.00	1.0	µg/L	5.00		80.0	80-120	5.35	20	
Matrix Spike (CP03723-MS1)		**Source: CPE0604-01**		Prepared & Analyzed: 05/18/06						
Hexavalent Chromium	4.61	1.0	µg/L	5.00	ND	92.2	75-125			
Matrix Spike Dup (CP03723-MSD1)		**Source: CPE0604-01**		Prepared & Analyzed: 05/18/06						
Hexavalent Chromium	4.69	1.0	µg/L	5.00	ND	93.8	75-125	1.72	25	
Batch CP03728 - Solvent Extract										
Blank (CP03728-BLK1)				Prepared & Analyzed: 05/18/06						
Silica Gel Treated HEM (SGT-HEM)	ND	5.0	mg/L							
LCS (CP03728-BS1)				Prepared & Analyzed: 05/18/06						
Silica Gel Treated HEM (SGT-HEM)	41.1	5.0	mg/L	40.0		103	80-120			
LCS Dup (CP03728-BSD1)				Prepared & Analyzed: 05/18/06						
Silica Gel Treated HEM (SGT-HEM)	39.8	5.0	mg/L	40.0		99.5	80-120	3.21	20	
Batch CP03780 - General Prep										
Blank (CP03780-BLK1)				Prepared & Analyzed: 05/22/06						
Bromide	ND	0.10	mg/L							

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03780 - General Prep										
LCS (CP03780-BS1)				Prepared & Analyzed: 05/22/06						
Bromide	2.01	0.10	mg/L	2.00		100	80-120			
LCS Dup (CP03780-BSD1)				Prepared & Analyzed: 05/22/06						
Bromide	2.01	0.10	mg/L	2.00		100	80-120	0.00	20	
Matrix Spike (CP03780-MS1)		**Source: CPE0673-01**		Prepared & Analyzed: 05/22/06						
Bromide	2.17	0.10	mg/L	2.00	0.17	100	75-125			
Matrix Spike Dup (CP03780-MSD1)		**Source: CPE0673-01**		Prepared & Analyzed: 05/22/06						
Bromide	2.20	0.10	mg/L	2.00	0.17	102	75-125	1.37	25	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03752 - EPA 3510B GCNV										
Blank (CP03752-BLK1)				Prepared & Analyzed: 05/19/06						
Diesel	ND	0.050	mg/L							
Motor Oil	ND	0.050	"							
LCS (CP03752-BS1)				Prepared & Analyzed: 05/19/06						
Diesel	2.55	0.050	mg/L	2.50		102	65-135			
LCS Dup (CP03752-BSD1)				Prepared & Analyzed: 05/19/06						
Diesel	2.59	0.050	mg/L	2.50		104	65-135	1.56	30	
Matrix Spike (CP03752-MS1)		**Source: CPE0531-01**		Prepared & Analyzed: 05/19/06						
Diesel	2.62	0.050	mg/L	2.50	ND	105	46-137			
Matrix Spike Dup (CP03752-MSD1)		**Source: CPE0531-01**		Prepared & Analyzed: 05/19/06						
Diesel	2.65	0.050	mg/L	2.50	ND	106	46-137	1.14	30	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03823 - EPA 5030 Water GC										
Blank (CP03823-BLK1)				Prepared: 05/19/06 Analyzed: 05/23/06						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: o-Chlorotoluene (BTEX)	*22.9*		*"*	*20.0*		*114*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*18.5*		*"*	*20.0*		*92.5*	*65-135*			
LCS (CP03823-BS1)				Prepared: 05/19/06 Analyzed: 05/23/06						
Benzene	20.7	0.50	µg/L	20.0		104	70-140			
Toluene	18.9	0.50	"	20.0		94.5	70-140			
Ethylbenzene	20.0	0.50	"	20.0		100	70-140			
Xylenes (total)	63.9	1.0	"	60.0		106	70-140			
Surrogate: o-Chlorotoluene (BTEX)	*20.5*		*"*	*20.0*		*102*	*65-135*			
LCS Dup (CP03823-BSD1)				Prepared: 05/19/06 Analyzed: 05/23/06						
Benzene	20.9	0.50	µg/L	20.0		104	70-140	0.962	30	
Toluene	19.8	0.50	"	20.0		99.0	70-140	4.65	30	
Ethylbenzene	21.0	0.50	"	20.0		105	70-140	4.88	30	
Xylenes (total)	67.6	1.0	"	60.0		113	70-140	5.63	30	
Surrogate: o-Chlorotoluene (BTEX)	*21.4*		*"*	*20.0*		*107*	*65-135*			
Matrix Spike (CP03823-MS1)	**Source: CPE0615-07**			Prepared: 05/19/06 Analyzed: 05/23/06						
Benzene	19.4	0.50	µg/L	20.0	ND	97.0	60-140			
Toluene	17.8	0.50	"	20.0	ND	89.0	60-140			
Ethylbenzene	18.9	0.50	"	20.0	ND	94.5	60-140			
Xylenes (total)	59.5	1.0	"	60.0	ND	99.2	60-140			
Surrogate: o-Chlorotoluene (BTEX)	*20.0*		*"*	*20.0*		*100*	*65-135*			

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03823 - EPA 5030 Water GC										
Matrix Spike Dup (CP03823-MSD1)		**Source: CPE0615-07**		Prepared: 05/19/06 Analyzed: 05/23/06						
Benzene	20.0	0.50	µg/L	20.0	ND	100	60-140	3.05	30	
Toluene	18.9	0.50	"	20.0	ND	94.5	60-140	5.99	30	
Ethylbenzene	20.1	0.50	"	20.0	ND	100	60-140	6.15	30	
Xylenes (total)	63.6	1.0	"	60.0	ND	106	60-140	6.66	30	
Surrogate: o-Chlorotoluene (BTEX)	*20.6*		*"*	*20.0*		*103*	*65-135*			
Batch CP03845 - EPA 5030 Water GC										
Blank (CP03845-BLK1)				Prepared: 05/22/06 Analyzed: 05/24/06						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: o-Chlorotoluene (BTEX)	*23.3*		*"*	*20.0*		*116*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*17.8*		*"*	*20.0*		*89.0*	*65-135*			
LCS (CP03845-BS1)				Prepared: 05/22/06 Analyzed: 05/24/06						
Benzene	19.5	0.50	µg/L	20.0		97.5	70-140			
Toluene	18.5	0.50	"	20.0		92.5	70-140			
Ethylbenzene	19.7	0.50	"	20.0		98.5	70-140			
Xylenes (total)	62.4	1.0	"	60.0		104	70-140			
Surrogate: o-Chlorotoluene (BTEX)	*20.4*		*"*	*20.0*		*102*	*65-135*			
LCS Dup (CP03845-BSD1)				Prepared: 05/22/06 Analyzed: 05/24/06						
Benzene	20.5	0.50	µg/L	20.0		102	70-140	5.00	30	
Toluene	18.9	0.50	"	20.0		94.5	70-140	2.14	30	
Ethylbenzene	20.1	0.50	"	20.0		100	70-140	2.01	30	
Xylenes (total)	63.5	1.0	"	60.0		106	70-140	1.75	30	
Surrogate: o-Chlorotoluene (BTEX)	*20.5*		*"*	*20.0*		*102*	*65-135*			

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100 **CLS Work Order #: CPE0615**
Project Manager: Mike Berrington

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03845 - EPA 5030 Water GC										
Matrix Spike (CP03845-MS1)		**Source: CPE0618-01**		Prepared: 05/22/06		Analyzed: 05/24/06				
Gasoline	403	50	µg/L	500	ND	80.6	65-135			
Surrogate: o-Chlorotoluene (Gas)	*19.1*		*"*	*20.0*		*95.5*	*65-135*			
Matrix Spike Dup (CP03845-MSD1)		**Source: CPE0618-01**		Prepared: 05/22/06		Analyzed: 05/24/06				
Gasoline	394	50	µg/L	500	ND	78.8	65-135	2.26	30	
Surrogate: o-Chlorotoluene (Gas)	*19.6*		*"*	*20.0*		*98.0*	*65-135*			

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
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CLS Work Order #: CPE0615

Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03873 - EPA 3010A										
Blank (CP03873-BLK1)				Prepared: 05/24/06 Analyzed: 05/26/06						
Calcium	ND	1000	µg/L							
Magnesium	ND	1000	"							
Molybdenum	ND	20	"							
Potassium	ND	1000	"							
Sodium	ND	1000	"							
Vanadium	ND	10	"							
LCS (CP03873-BS1)				Prepared: 05/24/06 Analyzed: 05/26/06						
Calcium	10700	1000	µg/L	10000		107	80-120			
Magnesium	10300	1000	"	10000		103	80-120			
Molybdenum	498	20	"	500		99.6	80-120			
Potassium	9980	1000	"	10000		99.8	80-120			
Sodium	10300	1000	"	10000		103	80-120			
Vanadium	531	10	"	500		106	80-120			
LCS Dup (CP03873-BSD1)				Prepared: 05/24/06 Analyzed: 05/26/06						
Calcium	11000	1000	µg/L	10000		110	80-120	2.76	20	
Magnesium	10500	1000	"	10000		105	80-120	1.92	20	
Molybdenum	531	20	"	500		106	80-120	6.41	20	
Potassium	10200	1000	"	10000		102	80-120	2.18	20	
Sodium	10500	1000	"	10000		105	80-120	1.92	20	
Vanadium	549	10	"	500		110	80-120	3.33	20	
Matrix Spike (CP03873-MS1)		**Source: CPE0615-01**		Prepared: 05/24/06 Analyzed: 05/26/06						
Calcium	33600	1000	µg/L	10000	24000	96.0	75-125			
Magnesium	22400	1000	"	10000	13000	94.0	75-125			
Molybdenum	521	20	"	500	ND	104	75-125			
Potassium	10600	1000	"	10000	760	98.4	75-125			
Sodium	19100	1000	"	10000	9000	101	75-125			
Vanadium	529	10	"	500	7.0	104	75-125			

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
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Metals by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03873 - EPA 3010A										
Matrix Spike Dup (CP03873-MSD1)		**Source: CPE0615-01**		Prepared: 05/24/06 Analyzed: 05/26/06						
Calcium	34100	1000	µg/L	10000	24000	101	75-125	1.48	25	
Magnesium	22800	1000	"	10000	13000	98.0	75-125	1.77	25	
Molybdenum	530	20	"	500	ND	106	75-125	1.71	25	
Potassium	10800	1000	"	10000	760	100	75-125	1.87	25	
Sodium	19400	1000	"	10000	9000	104	75-125	1.56	25	
Vanadium	538	10	"	500	7.0	106	75-125	1.69	25	
Batch CP03885 - EPA 3020A										
Blank (CP03885-BLK1)				Prepared & Analyzed: 05/24/06						
Selenium	ND	5.0	µg/L							
LCS (CP03885-BS1)				Prepared & Analyzed: 05/24/06						
Selenium	95.1	5.0	µg/L	100		95.1	80-120			
LCS Dup (CP03885-BSD1)				Prepared & Analyzed: 05/24/06						
Selenium	106	5.0	µg/L	100		106	80-120	10.8	20	
Matrix Spike (CP03885-MS1)		**Source: CPE0615-01**		Prepared & Analyzed: 05/24/06						
Selenium	92.8	5.0	µg/L	100	ND	92.8	75-125			
Matrix Spike Dup (CP03885-MSD1)		**Source: CPE0615-01**		Prepared & Analyzed: 05/24/06						
Selenium	99.4	5.0	µg/L	100	ND	99.4	75-125	6.87	25	

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Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-100
Project Manager: Mike Berrington

CLS Work Order #: CPE0615

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP03873 - EPA 3010A										
Blank (CP03873-BLK1)				Prepared: 05/24/06 Analyzed: 05/26/06						
Lead	ND	50	µg/L							
LCS (CP03873-BS1)				Prepared: 05/24/06 Analyzed: 05/26/06						
Lead	537	50	µg/L	500		107	80-120			
LCS Dup (CP03873-BSD1)				Prepared: 05/24/06 Analyzed: 05/26/06						
Lead	572	50	µg/L	500		114	80-120	6.31	20	
Matrix Spike (CP03873-MS1)		**Source: CPE0615-01**		Prepared: 05/24/06 Analyzed: 05/26/06						
Lead	531	50	µg/L	500	ND	106	75-125			
Matrix Spike Dup (CP03873-MSD1)		**Source: CPE0615-01**		Prepared: 05/24/06 Analyzed: 05/26/06						
Lead	539	50	µg/L	500	ND	108	75-125	1.50	25	

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.	
10461 Old Placerville Rd., Suite 170	Project Number: 06940-264-100	**CLS Work Order #: CPE0615**
Sacramento, CA 95827-2508	Project Manager: Mike Berrington	

Notes and Definitions

QS-4	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GAS-1	Although sample contains compounds in the retention time range associated with gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.
D-DSL	Although sample contains compounds in the retention time range associated with diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel.
A-COM	The laboratory method detection limit is 0.012 mg/L. However, bromide was not detected above the MDL.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Mark Smith
California Laboratory Services
3249 Fitzgerald Road
Rancho Cordova, CA 95742

BSK Submission #: 2006051458

BSK Sample ID #: 723150

Report Issue Date: 05/26/2006

Project ID: CPE0615

Project Desc: Unocal #0813, 122 Leslie St. Ukiah, CA

Submission Comments:

Sample Type: Liquid

Sample Description: MW-1

Sample Comments: CPE0615-01

Date Sampled: 05/17/2006

Time Sampled: 1604

Date Received: 05/19/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 300.1	**ND**	mg/L	0.005	1	0.005	05/20/06	05/20/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code: * 7 2 3 1 5 0 - 0 . 0 0 0 0 *

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Mark Smith
California Laboratory Services
3249 Fitzgerald Road
Rancho Cordova, CA 95742

BSK Submission #: 2006051458

BSK Sample ID #: 723151

Report Issue Date: 05/26/2006

Project ID: CPE0615

Project Desc: Unocal #0813, 122 Leslie St. Ukiah, CA

Submission Comments:

Sample Type: Liquid

Sample Description: MW-2

Sample Comments: CPE0615-02

Date Sampled: 05/17/2006

Time Sampled: 1614

Date Received: 05/19/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 300.1	**ND**	mg/L	0.005	1	0.005	05/20/06	05/20/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code: * 7 2 3 1 5 1 - 0 . 0 0 0 0 *

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

CALIFORNIA LABORATORY SERVICES

3249 Fitzgerald Road Rancho Cordova, CA 95742

July 07, 2006

CLS Work Order #: CPF0938
COC #: No Number

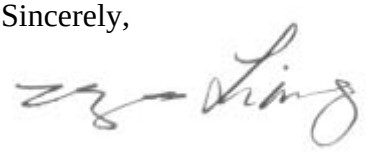
Mike Berrington
ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project Name: Frmr. Unocal #0813, 122 Leslie St.
Ukiah, Ca.

Enclosed are the results of analyses for samples received by the laboratory on 06/29/06 07:25. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,



James Liang, Ph.D.
Laboratory Director

CA DOHS ELAP Accreditation/Registration number 1233

CALIFORNIA LABORATORY SERVICES

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

ENSR INTERNATIONAL

CHAIN OF CUSTODY

CPF0938

Page 1 of

Lab: Alpha Analytical

TAT: Standard

Report results to:

Name: Mike Berrington
Company: ENSR
Mailing Address: 10461 Old Placerville Road, Suite 170
City, State, Zip: Sacramento, CA 95827-2508
Telephone No.: 916-362-7100
Fax No.: 916-362-8100
E-Mail: mberrington@ensr.aecom.com

Project Information

Site Address: 122 Leslie St., Ukiah, CA
ENSR No. 06940-264-130
Unocal No. 813
Global ID No. T0604593441

Special instructions and/or specific regulatory requirements:

Sample Identification	Date Sampled	Time Sampled	Matrix/ Media	No. of Conts.	TPHg (8015)	BTEX (8021B)	TRPH (1664)	Total Lead (6010)	TPHd (8015)	Bromate (300) / Bromide (300.0)	Chromium VI (7199)	Molybdenum / Vanadium (200.7)	Selenium (200.9)	pH (150.1)		Sample Condition/Comments	Preservative
					Analyses Requested												
MW-1	6/28/06	1725	GW	7	X	X	X	X	X	X	X	X	X	X			HCl/HNO3
MW-2	6/28/06	1820	GW	7	X	X	X	X	X	X	X	X	X	X			HCl/HNO3
QA	—	—	Liquid	2	X	X											Ice

Collected by: JDR Date/Time 6/28/06 1830 Collector's Signature: Date/Time 6/28/06 1830

Relinquished by: JDR Date/Time 6/29/06 0725 Received by: Date/Time 06/29/06 0725

Relinquished by: Date/Time Received by: Date/Time

Method of Shipment: Sample Condition on Rcpt: 4°C

*

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

CLS LABS
SAMPLE RECEIVING EXCEPTION REPORTS

C.L.S Labs Job No.: CPF0938

Problem discovered by: SMITH **Date** 6/29/06

Nature of problem:

(1) DID NOT SUPPLY CONTAINER FOR TRPH ON ALL SAMPLES.

(2) SUPPLIED FIELD FILTERED / HNO3 PRESERVED CONTAINER FOR Mo, Se, U.

(3) T/B HAD BUBBLES + LOOSE LIDS

Client contacted? Yes X No _____ Spoke With: JDR

By whom: SMITH Date: 6/29/06 Time: 0800

Client instructions:

(1) DOES NOT REQUIRE TRPH PER MIKE FISHER

(2) REQUIRES DISSOLVED METALS FOR Mo, Se, U.

Resolution of problem:

LOGGED ACCORDINGLY

H:\Alyssam\samplerecexception.doc

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPF0938-01) GW	**Sampled: 06/28/06 17:25**	**Received: 06/29/06 07:25**							
Bromide	ND	0.015	mg/L	1	CP04874	06/29/06	06/29/06	EPA 300.0	
Hexavalent Chromium	ND	1.0	µg/L	"	CP04865	06/29/06	06/29/06	EPA 7199	
pH	**6.68**		pH Units	"	CP04866	06/29/06	06/29/06	EPA 150.1	
MW-2 (CPF0938-03) GW	**Sampled: 06/28/06 18:20**	**Received: 06/29/06 07:25**							
Bromide	ND	0.015	mg/L	1	CP04874	06/29/06	06/29/06	EPA 300.0	
Hexavalent Chromium	ND	1.0	µg/L	"	CP04865	06/29/06	06/29/06	EPA 7199	
pH	**7.03**		pH Units	"	CP04866	06/29/06	06/29/06	EPA 150.1	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Extractable Petroleum Hydrocarbons by EPA Method 8015M

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPF0938-01) GW	**Sampled: 06/28/06 17:25**	**Received: 06/29/06 07:25**							
Diesel	**1.8**	0.050	mg/L	1	CP04876	06/29/06	06/29/06	EPA 8015M	D-DSL
MW-2 (CPF0938-03) GW	**Sampled: 06/28/06 18:20**	**Received: 06/29/06 07:25**							
Diesel	**0.21**	0.050	mg/L	1	CP04876	06/29/06	06/29/06	EPA 8015M	D-DSL

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Gas/BTEX by GC PID/FID

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPF0938-01) GW Sampled: 06/28/06 17:25 Received: 06/29/06 07:25									
Gasoline	**580**	50	µg/L	1	CP04945	06/30/06	07/06/06	8015M/8021B	GAS-1
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**3.2**	0.50	"	"	"	"	"	"	
Xylenes (total)	**3.7**	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*89.0 %*		*65-135*		"	"	"	
MW-2 (CPF0938-03) GW Sampled: 06/28/06 18:20 Received: 06/29/06 07:25									
Gasoline	ND	50	µg/L	1	CP04945	06/30/06	07/06/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.51**	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*87.5 %*		*65-135*		"	"	"	
QA (CPF0938-05) Liquid Sampled: 06/28/06 00:00 Received: 06/29/06 07:25									
Gasoline	ND	50	µg/L	1	CP04945	06/30/06	07/06/06	8015M/8021B	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Surrogate: o-Chlorotoluene (Gas)		*85.5 %*		*65-135*		"	"	"	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Metals (Dissolved) by EPA 200 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (Field Filtered) (CPF0938-02) GW	**Sampled: 06/28/06 17:25**		**Received: 06/29/06 07:25**						
Molybdenum	ND	20	µg/L	1	CP04972	07/03/06	07/03/06	EPA 200.7	
Vanadium	ND	20	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	CP04974	07/03/06	07/05/06	EPA 200.8	
MW-2 (Field Filtered) (CPF0938-04) GW	**Sampled: 06/28/06 18:20**		**Received: 06/29/06 07:25**						
Molybdenum	ND	20	µg/L	1	CP04972	07/03/06	07/03/06	EPA 200.7	
Vanadium	ND	20	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	CP04974	07/03/06	07/05/06	EPA 200.8	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (CPF0938-01) GW Sampled: 06/28/06 17:25 Received: 06/29/06 07:25									
Lead	ND	50	µg/L	1	CP04972	07/03/06	07/03/06	EPA 6010B	
MW-2 (CPF0938-03) GW Sampled: 06/28/06 18:20 Received: 06/29/06 07:25									
Lead	ND	50	µg/L	1	CP04972	07/03/06	07/03/06	EPA 6010B	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04865 - General Prep										
Blank (CP04865-BLK1)				Prepared & Analyzed: 06/29/06						
Hexavalent Chromium	ND	1.0	µg/L							
LCS (CP04865-BS1)				Prepared & Analyzed: 06/29/06						
Hexavalent Chromium	4.25	1.0	µg/L	5.00		85.0	80-120			
LCS Dup (CP04865-BSD1)				Prepared & Analyzed: 06/29/06						
Hexavalent Chromium	5.15	1.0	µg/L	5.00		103	80-120	19.1	20	
Matrix Spike (CP04865-MS1)		**Source: CPF0932-01**		Prepared & Analyzed: 06/29/06						
Hexavalent Chromium	5.62	1.0	µg/L	5.00	ND	112	75-125			
Matrix Spike Dup (CP04865-MSD1)		**Source: CPF0932-01**		Prepared & Analyzed: 06/29/06						
Hexavalent Chromium	5.22	1.0	µg/L	5.00	ND	104	75-125	7.38	25	
Batch CP04874 - General Prep										
Blank (CP04874-BLK1)				Prepared & Analyzed: 06/29/06						
Bromide	ND	0.015	mg/L							
LCS (CP04874-BS1)				Prepared & Analyzed: 06/29/06						
Bromide	1.97	0.015	mg/L	2.00		98.5	80-120			
LCS Dup (CP04874-BSD1)				Prepared & Analyzed: 06/29/06						
Bromide	1.96	0.015	mg/L	2.00		98.0	80-120	0.509	20	
Matrix Spike (CP04874-MS1)		**Source: CPF0930-01**		Prepared & Analyzed: 06/29/06						
Bromide	1.88	0.015	mg/L	2.00	0.17	85.5	75-125			

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130 **CLS Work Order #: CPF0938**
Project Manager: Mike Berrington

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04874 - General Prep										
Matrix Spike Dup (CP04874-MSD1)	**Source: CPF0930-01**			Prepared & Analyzed: 06/29/06						
Bromide	1.88	0.015	mg/L	2.00	0.17	85.5	75-125	0.00	25	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04876 - EPA 3510B GCNV										
Blank (CP04876-BLK1)				Prepared & Analyzed: 06/29/06						
Diesel	ND	0.050	mg/L							
Motor Oil	ND	0.050	"							
LCS (CP04876-BS1)				Prepared & Analyzed: 06/29/06						
Diesel	2.68	0.050	mg/L	2.50		107	65-135			
LCS Dup (CP04876-BSD1)				Prepared & Analyzed: 06/29/06						
Diesel	2.73	0.050	mg/L	2.50		109	65-135	1.85	30	
Matrix Spike (CP04876-MS1)		**Source: CPF0815-01**		Prepared & Analyzed: 06/29/06						
Diesel	2.58	0.050	mg/L	2.50	ND	103	46-137			
Matrix Spike Dup (CP04876-MSD1)		**Source: CPF0815-01**		Prepared & Analyzed: 06/29/06						
Diesel	2.57	0.050	mg/L	2.50	ND	103	46-137	0.388	30	

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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Gas/BTEX by GC PID/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04945 - EPA 5030 Water GC										
Blank (CP04945-BLK1)				Prepared: 06/30/06 Analyzed: 07/06/06						
Gasoline	ND	50	µg/L							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Surrogate: o-Chlorotoluene (BTEX)	*23.3*		"	*20.0*		*116*	*65-135*			
Surrogate: o-Chlorotoluene (Gas)	*17.2*		"	*20.0*		*86.0*	*65-135*			
LCS (CP04945-BS1)				Prepared: 06/30/06 Analyzed: 07/06/06						
Gasoline	485	50	µg/L	500		97.0	65-135			
Surrogate: o-Chlorotoluene (Gas)	*18.9*		"	*20.0*		*94.5*	*65-135*			
LCS Dup (CP04945-BSD1)				Prepared: 06/30/06 Analyzed: 07/06/06						
Gasoline	475	50	µg/L	500		95.0	65-135	2.08	30	
Surrogate: o-Chlorotoluene (Gas)	*19.2*		"	*20.0*		*96.0*	*65-135*			
Matrix Spike (CP04945-MS1)		**Source: CPF0938-03**		Prepared: 06/30/06 Analyzed: 07/06/06						
Gasoline	483	50	µg/L	500	ND	96.6	65-135			
Surrogate: o-Chlorotoluene (Gas)	*19.5*		"	*20.0*		*97.5*	*65-135*			
Matrix Spike Dup (CP04945-MSD1)		**Source: CPF0938-03**		Prepared: 06/30/06 Analyzed: 07/06/06						
Gasoline	472	50	µg/L	500	ND	94.4	65-135	2.30	30	
Surrogate: o-Chlorotoluene (Gas)	*19.8*		"	*20.0*		*99.0*	*65-135*			

ENSR - Sacramento
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Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Metals (Dissolved) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04972 - EPA 3010A										
Blank (CP04972-BLK1)				Prepared & Analyzed: 07/03/06						
Molybdenum	ND	20	µg/L							
Vanadium	ND	20	"							
LCS (CP04972-BS1)				Prepared & Analyzed: 07/03/06						
Molybdenum	487	20	µg/L	500		97.4	80-120			
Vanadium	508	20	"	500		102	80-120			
LCS Dup (CP04972-BSD1)				Prepared & Analyzed: 07/03/06						
Molybdenum	471	20	µg/L	500		94.2	80-120	3.34	20	
Vanadium	489	20	"	500		97.8	80-120	3.81	20	
Batch CP04974 - EPA 3020A										
Blank (CP04974-BLK1)				Prepared: 07/03/06 Analyzed: 07/05/06						
Selenium	ND	5.0	µg/L							
LCS (CP04974-BS1)				Prepared: 07/03/06 Analyzed: 07/05/06						
Selenium	95.3	5.0	µg/L	100		95.3	80-120			
LCS Dup (CP04974-BSD1)				Prepared: 07/03/06 Analyzed: 07/05/06						
Selenium	89.5	5.0	µg/L	100		89.5	80-120	6.28	20	
Matrix Spike (CP04974-MS1)	**Source: CPF0937-01**			Prepared: 07/03/06 Analyzed: 07/05/06						
Selenium	104	5.0	µg/L	100	1.4	103	75-125			
Matrix Spike Dup (CP04974-MSD1)	**Source: CPF0937-01**			Prepared: 07/03/06 Analyzed: 07/05/06						
Selenium	105	5.0	µg/L	100	1.4	104	75-125	0.957	25	

ENSR - Sacramento
10461 Old Placerville Rd., Suite 170
Sacramento, CA 95827-2508

Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.
Project Number: 06940-264-130
Project Manager: Mike Berrington

CLS Work Order #: CPF0938

Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch CP04972 - EPA 3010A										
Blank (CP04972-BLK1)				Prepared & Analyzed: 07/03/06						
Lead	ND	50	µg/L							
LCS (CP04972-BS1)				Prepared & Analyzed: 07/03/06						
Lead	535	50	µg/L	500		107	80-120			
LCS Dup (CP04972-BSD1)				Prepared & Analyzed: 07/03/06						
Lead	521	50	µg/L	500		104	80-120	2.65	20	

ENSR - Sacramento	Project: Frmr. Unocal #0813, 122 Leslie St. Ukiah, Ca.	
10461 Old Placerville Rd., Suite 170	Project Number: 06940-264-130	**CLS Work Order #: CPF0938**
Sacramento, CA 95827-2508	Project Manager: Mike Berrington	

Notes and Definitions

GAS-1	Although sample contains compounds in the retention time range associated with gasoline, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on gasoline.
D-DSL	Although sample contains compounds in the retention time range associated with diesel, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on diesel.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Mark Smith
California Laboratory Services
3249 Fitzgerald Road
Rancho Cordova, CA 95742

BSK Submission #: 2006062231

BSK Sample ID #: 738077

Report Issue Date: 07/12/2006

Project ID: CPF0938

Project Desc: Frmr. Unocal #0813, 122 Leslie St. Ukiah, CA

Submission Comments:

Sample Type: Liquid

Sample Description: MW-1

Sample Comments: CPF0938-01

Date Sampled: 06/28/2006

Time Sampled: 1725

Date Received: 06/30/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 300.1	**ND**	mg/L	0.005	1	0.005	07/11/06	07/11/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
DLR: Detection Limit for Reporting : PQL x Dilution
ND: None Detected at DLR
pCi/L: Picocurie per Liter

H: Analyzed outside of hold time
P: Preliminary result
S: Suspect result. See Case Narrative for comments.
E: Analysis performed by External laboratory. See External Laboratory Report attachments.

Report Authentication Code: * 7 3 8 0 7 7 - 0 . 0 0 0 0 *

1414 Stanislaus Street Fresno, CA 93706-1623 Phone 559-497-2888, In CA 800-877-8310 Fax 559-485-6935

BSK ANALYTICAL LABORATORIES

Certificate of Analysis

NELAP Certificate #04227CA

ELAP Certificate #1180

Mark Smith
California Laboratory Services
3249 Fitzgerald Road
Rancho Cordova, CA 95742

BSK Submission #: 2006062231

BSK Sample ID #: 738078

Report Issue Date: 07/12/2006

Project ID: CPF0938

Project Desc: Frmr. Unocal #0813, 122 Leslie St. Ukiah, CA

Submission Comments:

Sample Type: Liquid
Sample Description: MW-2
Sample Comments: CPF0938-03

Date Sampled: 06/28/2006
Time Sampled: 1820
Date Received: 06/30/2006

Inorganics

Analyte	Method	Result	Units	PQL	Dilution	DLR	Prep Date/Time	Analysis Date/Time
Bromate (BrO3)	EPA 300.1	**ND**	mg/L	0.005	1	0.005	07/11/06	07/11/06

mg/L: Milligrams/Liter (ppm)
mg/Kg: Milligrams/Kilogram (ppm)
µg/L: Micrograms/Liter (ppb)
µg/Kg: Micrograms/Kilogram (ppb)
%Rec: Percent Recovered (surrogates)

PQL: Practical Quantitation Limit
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Report Authentication Code: * 7 3 8 0 7 8 - 0 . 0 0 0 0 *

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